GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Odd Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: I, III & V.

Name of the Teacher: Dr. Ratan Kumar Biswas.

Subject: History

S. No	Practical	Syllabus	
	Syllabus		
	to be		
	covered		
Week	NA	1. HISACOR01T: Reconstructing Ancient Indian History & Sources.	
1 to		2. HISACOR02T: Bronze Age Civilization, Introduction.	
week		3. HISHGEC01T: Ancient Indian Sources and Interpretations.	
4		4.HISACOR05T: Agrarian Structure and Social Change.	
		5. HISACOR06T: The African slaves and Commercial Revolution; Influx of	
		American silver.	
		6. HISACOR07T: Sultanate Society and Economy-2, Changes in rural society;	
		revenue systems, Monetization; market regulations.	
		7.HISHGEC03T: Economy under the Mughals.	
		8. HISACOR11T: Age of Nationalism Unification of Italy.	
		9. HISACOR12T: Government of India Act 1935.	
		10. HISADSE01T: Growth of early European interests in Southeast Asia: 16th to 18th centuries.	
		11. HISADSE02T: Nationalism and religion in Burma.	
Week		1. HISACOR01T: Early Indian Notions of History.	
5 to	NA	2. HISACOR02T: Mesopotamian Society.	
week	1171	3. HISHGEC01T: Sixteen Mahajanapadas.	
8		4.HISACOR05T: Agricultural expansion & crops.	
		5. HISACOR06T: The Price Revolution.	
		6. HISACOR07T: Growth of urban centers; trade and commerce; Indian Ocean	
		trade.	
		7.HISHGEC03T : Society under the Mughals.	
		8. HISACOR11T:Unification of Germany.	
		9. HISACOR12T: The rise of the leftist movements.	
		10. HISADSE01T: Colonial penetration and indigenous response.	
		11. HISADSE02T: The Pongyis and the Sayasan Rebellion.	
Week	NA	1. HISACOR01T: Historical Interpretations of Gender, Environment.	
9 to		2. HISACOR02T: Mesopotamian Economy.	
Week		3. HISHGEC01T: Territorial States and The Rise of the Magadha.	
12		4.HISACOR05T: Landlords and peasants.	
		5. HISACOR06T: Emergence of European state system: Spain.	
		6. HISACOR07T: Religion and Culture, Sufi silsilas: Chishtis and Suhrawardis;	
		doctrines and practices; social roles.	

		7.HISHGEC03T :Culture under the Mughals.	
		8. HISACOR11T:Political and administrative re organization.	
		9. HISACOR12T: The Peasant and Working class movements.	
		10. HISADSE01T: Stamford Raffles in Java.	
		11. HISADSE02T: The Thakin movement.	
Week	NA	1. HISACOR01T: Technology and regions	
13		2. HISACOR02T: Mesopotamian Polity.	
		3. HISHGEC01T: Causes of Maghadha's Success.	
		4.HISACOR05T: Proliferation of castes; status of untouchables.	
		5. HISACOR06T: Emergence of European state system: France.	
		6. HISACOR07T: Bhakti movements and monotheistic traditions in South and	
		North India.	
		7.HISHGEC03T :Emergence of Maratha Power under Shivaji.	
		8. HISACOR11T: Italy and Germany.	
		9. HISACOR12T: Subhas Bose and INA.	
		10. HISADSE01T: British forward movement in Malaya.	
		11. HISADSE02T: Second World War.	
Week1	3 to week 1	4 Internal Exam	
Week	NA	1. HISACOR01T: Sixteen Mahajanapadas and Magadhan Imperialism.	
15 to		2. HISACOR02T: Mesopotamian Religion.	
17		3. HISHGEC02T: Magadhan Imperialism from Bimbisara to Mahapadmananda.	
		4. HISACOR05T: Tribes as peasants and their place in the Varna order.	
		5. HISACOR06T: Emergence of European state system: England and Russia.	
		6. HISACOR07T: Women Bhaktas; Nathpanthis; Kabir, Nanak and the Sant	
		tradition.	
		7.HISHGEC03T : Mughal Maratha Conflict and its Impact.	
		8. HISACOR11T: The second Empire in France and Louis Napoleon.	
		9. HISACOR12T: Wavell Plan, Cabinet Mission; Tebhaga and Telengana	
		movements.	
		10. HISADSE01T: Foundation of Singapore.	
		11. HISADSE02T: The struggle for independence and the transfer of power.	
Week	Revision,	Revision	
18	Practise		
	1	1	

GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Odd Semester,

UG course (CBCS & Old B.A. 1+1+1)

Department of History

Session (2019-20)

Class: B.A. in History under CBCS.

Semester: I, III & V.

Name of the Teacher: Smt. Sumati Majumdar.

Subject: History

S. No	Practical	Syllabus	
	Syllabus		
	to be		
XX7 1	covered	1 HIGA CODOLT TI A 1 . CE 1D 1 .	
Week	NA	1. HISACOR01T: The Advent of Food Production.	
1 to		2. HISACOR02T: Polis in ancient Greece.	
week 4		3. HISHGEC01T: The Vedic Period: Polity and Society.	
4		4.HISACOR05T: Arab conquest of Sindh: nature and impact of the new	
		set-up and Ismaili Dawah.	
		5. HISACOR06T: Origins of the European Reformation in the 16th	
		century. 6. HISACOR07T: Sources for studying/Interpreting the Delhi Sultanate	
		Survey of sources.	
		7.HISHGEC03T: Miltary reforms under the Khiljis&the Tughlaqs.	
		8. HISACOR11T: Industrialization.	
		9. HISACOR12T: Demand for Pakistan.	
		10. HISADSE01T: Nationalism in Indonesia: Sarekat Islam.	
		11. HISADSE02T: Growth of nationalism in British Malaya.	
Week		1. HISACOR01T: Neolithic cultures.	
5 to	NA	2. HISACOR02T: Athens.	
week		3. HISHGEC01T: The Vedic Period: Economy and Religion.	
8		4.HISACOR05T: Causes of early Turkish invasions.	
		5. HISACOR06T: Course of the European Reformation in the 16th	
		century.	
		6. HISACOR07T: Persian tarikh tradition.	
		7.HISHGEC03T: Administrative reforms under the Khiljis & the	
		Tughlaqs.	
		8. HISACOR11T: Industrial Revolution; Definition and characteristics.	
		9. HISACOR12T: Lahore session of the Muslim League.	
		10. HISADSE01T: PKI.	
		11. HISADSE02T: Growth of nationalism in British Malaya.	
Week	NA	1. HISACOR01T: The Chalcolithic Cultures.	
9 to		2. HISACOR02T: Sparta.	
Week		3. HISHGEC01T: Iron Age and PGW.	
12		4.HISACOR05T: Consequences of early Turkish invasions.	
		5. HISACOR06T: Lutheranism, Calvinism.	
		6. HISACOR07T: Vernacular histories; epigraphy. 7.HISHGEC03T: Economic reforms under the Khiljis & the Tughlaqs.	
		8. HISACOR11T: Bismarck's diplomacy.	
		9. HISACOR11T. Bismatck's diplomacy.	
		10. HISACOK121: Rise of Hillian Wallasaolia.	
		11. HISADSE011.FN1 11. HISADSE02T: National liberation movement.	
Week	NA	11. HISACOR01T: National Interation movement. 1. HISACOR01T: Subsistence Economy.	
13	11/1	2. HISACOR02T: Nomadic Groups in Central and West Asia.	
15		3. HISHGEC01T: Megaliths.	
		4.HISACOR05T: Mahmud of Ghazna.	
		5. HISACOR06T: Zwingli & Protestant.	
		6. HISACOR07T: Sultanate Society and Economy-Iqta.	
		7.HISHGEC03T : Bhakti Movement.	
		8. HISACOR11T: Kaiser WilliamII and Welt Politik.	

		9. HISACOR12T: Akali Dal.	
		10. HISADSE01T: Other political parties	
		11. HISADSE02T: National liberation movement.	
Week1	3 to week 1	4 Internal Exam	
Week	NA	1. HISACOR01T: Pattern's of Exchange.	
15 to		2. HISACOR02T: Debate on the Advent of Iron and Its Implications.	
17		3. HISHGEC02T: Iranian and Macedonian Invasions.	
		4.HISACOR05T: Shahab-ud-Din of Ghur.	
		5. HISACOR06T: Results of the European Reformation in the 16th	
		century.	
		6. HISACOR07T: Sultanate Society and Economy- the revenue-free	
		grants Agricultural production.	
		7.HISHGEC03T: Sufi Movement.	
		8. HISACOR11T: Balkan wars.	
		9. HISACOR12T: Partition and its consequences.	
		10. HISADSE01T: Impact.	
		11. HISADSE02T: Malaya Union Plan.	
Week	Revision,	Revision	
18	Practise		

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Odd Semester,

UG course (CBCS & Old B.A. 1+1+1)

Department of History Session (2019-20)

Class: B.A. in History under CBCS.

Semester: I, III & V.

Name of the Teacher: Dr. Eeshita Chatterjee.

Subject: History

S. No	Practical	Syllabus	
	Syllabus		
	to be		
	covered		
Week	NA	1. HISACOR01T: Harappan Civilization: Origin.	
1 to		2. HISACOR02T: Food Production (Neolithic).	
week		3. HISHGEC01T: Harappan Civilization: Origin and Extent.	
4		4.HISACOR05T: Evolution of political structures: Rashtrakutas.	
		5. HISACOR06T: Early colonial expansion: motives, voyages and explorations.	
		6. HISACOR07T: Regional Political structures, Emergence of provincial	
		dynasties: Bahamanis.	
		7.HISHGEC03T : Foundation, Expansion & Consolidation of the Delhi Sultanate.	
		8. HISACOR11T: Vienna Congress; Concert of Europe.	
		9. HISACOR12T: Historiography of Indian Nationalism.	
		10. HISADSE01T: Economic impact of colonialism.	

		11. HISADSE02T: Decolonisation and cold war politics.	
Week		1. HISACOR01T: Harappan Civilization: Settlement Patterns and Town Planning.	
5 to	NA	2. HISACOR02T: Beginning of Agriculture.	
week		3. HISHGEC01T: Features of Harappan Civilization.	
8		4.HISACOR05T: Evolution of political structures: Palas.	
		5. HISACOR06T: The conquests of the Americas: beginning of the era of	
		colonization.	
		6. HISACOR07T: Vijayanagar and Bengal Consolidation of regional identities.	
		7.HISHGEC03T: Nobility & Iqta system.	
		8. HISACOR11T: Metternich system.	
		9. HISACOR12T: Birth of Indian National Congress, The Moderates and the	
		Extremists.	
		10. HISADSE01T: Dutch domination in Indonesia	
		11. HISADSE02T: Decolonisation and cold war politics.	
Week	NA		
9 to	INA	 HISACOR01T: Harappan Agrarian Base, Craft and Trade. HISACOR02T: Animal Husbandry. 	
Week		· ·	
12		3. HISHGEC01T: Decline of the Harappan Civilization.	
12		4.HISACOR05T: Evolution of political structures: Pratiharas. 5. HISACOR06T: Renaissance: its social roots, city-states of Italy.	
		6. HISACOR07T: Regional art.	
		7.HISHGEC03T: Provincial kingdoms: Mewar, Bengal.	
		8. HISACOR11T: Greek War of Independence.	
		9. HISACOR12T: Partition of Bengal, the Swadeshi movement.	
		10. HISADSE01T: Culture system to the Liberal system.11. HISADSE02T: Regional cooperation initiatives.	
Week	NA	1. HISACOR01T: Social and Political Organisation of the Harappan Civilization.	
13	INA	2. HISACOR02T: Greek Culture: Philosophy and Philosophers.	
13		3. HISHGEC01T: Jainism: Doctrines, Decline and contribution.	
		4.HISACOR05T: Evolution of political structures:, Rajputs.	
		5. HISACOR051: Evolution of political structures:, Rajputs.	
		6. HISACOR07T: Architecture.	
		7.HISHGEC03T : Provincial kingdoms: Vijaynagar.	
		8. HISACOR11T: Revolution of 1830 &1848, & their Impact.	
		9. HISACOR12T: Muslim League, Morle Minto Reforms,	
		10. HISADSE01T: Colonial policy and land question in Indochina	
		11. HISADSE02T: SEATO, ASA.	
Week1	3 to week 1		
Week	NA	1. HISACOR01T: Harappan Religion, Art and Urban Decline.	
15 to	1 111	2. HISACOR02T: Greek Drama and Religion.	
17		3. HISHGEC02T: Buddhism: Doctrines, Decline and contribution.	
1,		4.HISACOR05T: Evolution of political structures: Cholas.	
		5. HISACOR06T: Spread of humanism in Europe; Art.	
		6. HISACOR07T: Literature.	
		7.HISHGEC03T: Provincial kingdoms: Bahamani.	
		8. HISACOR11T: Russian revolution, the peace settlements of 1919, the League of	
		nations.	
		9. HISACOR12T: Revolutionaries in India and abroad, the Lucknow pact,	
		10. HISADSE01T: Development of plantation economy in Malay and Singapore.	
		11. HISADSE02T: ASEAN and NAM.	
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Week	Revision,	Revision
18	Practise	

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

<u>Teaching Plan for Odd Semester,</u> <u>UG course (CBCS & Old B.A. 1+1+1)</u>

Department of History

Session (2019-20)

Class: B.A. in History under CBCS.

Semester: I, III & V.

Name of the Teacher: Smt. Swati Sen.

Subject: History

S. No	Practical	Syllabus	
	Syllabus		
	to be		
	covered		
Week	NA	1. HISACOR01T: Palaeolithic Cultures.	
1 to		2. HISACOR02T: Evolution of Human Kind of the Ancient World.	
week		3. HISHGEC01T: Palaeolithic Cultures.	
4		4.HISACOR05T: Legitimization of kingship; brahmanas and temples and royal genealogies and rituals.	
		5. HISACOR06T: Transition from feudalism to capitalism: Debates.	
		6. HISACOR07T: Sultanate Political Structures : Foundation, expansion.	
		7.HISHGEC03T : Second Afghan State: Formation, Mughal- Afgan Conflict.	
		8. HISACOR11T: The French Revolution and its European repercussions Crisis of	
		Ancien regime.	
		9. HISACOR12T: Gandhi's rise to power, Rowlatt Satyagraha.	
		10. HISADSE01T: British annexation of Burma.	
		11. HISADSE02T: Early nationalist protest movement against French rule in	
		Indochina.	
Week		1. HISACOR01T: Stone Industries and other Technological Developments.	
5 to	NA	2. HISACOR02T: Palaeolithic Cultures, Features, Technology Rock Art.	
week		3. HISHGEC01T: Mesolithic Cultures.	
8		4.HISACOR05T: Trade and Commerce: (a) Inter-regional trade (b) Maritime trade.	
		5. HISACOR06T: Feudal order.	
		6. HISACOR07T: Consolidation of the Sultanate of Delhi.	
		7.HISHGEC03T : Second Afghan State: Under Sher Shah.	
		8. HISACOR11T:Political, social, economic and intellectualbackground (role of	
		Philosophers) of the French Revolution The revolution in the making – the	
		Aristocratic Revolt and the consolidation of the Third Estate.	
		9. HISACOR12T: Montagu Chelmsford reforms; Khilafat and Non-co-operation	
		movement.	
		10. HISADSE01T:British movement in Borneo.	
		11. HISADSE02T: Rise of Ho Chih Minh.	

Week	NA	1. HISACOR01T: Mesolithic Cultures: Regional and Chronological Distributions,		
9 to		New Developments in Technology, Economy.		
Week		2. HISACOR02T: Neolithic Cultures.		
12		3. HISHGEC01T: Decline of the Harappan Civilization.		
		4.HISACOR05T: Forms of exchange.		
		5. HISACOR06T: Feudalism: problems and theories.		
		6. HISACOR07T: The Khaljis and the Tughluqs.		
		7.HISHGEC03T : Emergence and consolidation of Mughal State-Akbar.		
		8. HISACOR11T: The Constituent Assembly; Radicalization of the Revolution;		
		the reign of Terror.		
		9. HISACOR12T: The Swarajya party, Poona Pact.		
		10. HISADSE01T: The Brookes in Sarawak.		
		11. HISADSE02T: The birth of Communist party.		
Week	NA	1. HISACOR01T: Rock Art.		
13		2. HISACOR02T: Dating Methods.		
		3. HISHGEC01T: Sangam Literatures.		
		4.HISACOR05T: Process of urbanization.		
		5. HISACOR06T: Economic developments of the sixteenth century.		
		6. HISACOR07T: Mongol threat and Timur's invasion.		
		7.HISHGEC03T : Jahangirand Shah Jahan.		
		8. HISACOR11T: The Crimean War.		
		9. HISACOR12T: Civil Disobedience Movement.		
		10. HISADSE01T: Japanese impact during the World War II.		
		11. HISADSE02T: Vietminh.		
Week1	3 to week 1	4 Internal Exam		
Week	NA	1. HISACOR01T: Sangam Age		
15 to		2. HISACOR02T: Palaeolithic and Mesolithic Religion		
17		3. HISHGEC02T: Sangam Society and the Tamil Language.		
		4.HISACOR05T: Merchant guilds of South India, Islamic intellectual traditions.		
		5. HISACOR06T: Shift of economic balance from the Mediterranean to the		
		Atlantic.		
		6. HISACOR07T: The Lodis: Conquest of Bahlul and Sikandar.		
		7.HISHGEC03T: Mughal Empire under Aurangzeb.		
		8. HISACOR11T: Treaty of Paris, Balkan Nationalism.		
		9. HISACOR12T: Quit India Movement.		
		10. HISADSE01T: Birth of Indonesian Republic and the constitution of 1945 –		
		Indonesian National Revolution, 1945-50.		
		11. HISADSE02T: The August Revolution (1945).		
Week	Revision,	Revision		
18	Practise			

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Odd Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: I, III & V.

Name of the Teacher: Dr. Bhaskar Roy.

S. No	Practic	Syllabus	
	al		
	Syllabu		
	s to be		
	covered		
Week 1 to week 4	NA	1.HISACOR01T: Cultures in transition Settlement patterns, technological and economic developments (From Earliest Times to c.300 BCE). 2. HISACOR02T: Slave society in ancient Greece. 3. HISHGEC01T: Political History of Satavahanas. 4. HISACOR05T: Concepts Early Medieval India. 5. HISACOR06T: Origin of the European Reformation in the 16 th century. 6. HISACOR07T: Sources for studying/Interpreting the Delhi Sultanate Survey of sources. 7. HISHGEC03T: Akbar to Aurangzeb: administrative structure. 8. HISACOR11T: Napoleon Bonaparte and the French Revolution Rise of Napoleon. 9. HISACOR12T: Historical writings on Southeast Asia in the early 20 th	
		century 10. HISADSE01T: Queen's Proclamation; The Indigo Rebellion. 11. HISADSE02T: Growth of anti-Spanish sentiments in the Philippines.	
Week 5 to week 8	NA	 HISACOR01T: The Aryan Problem. HISACOR02T: Agrarian economy of ancient Greece. HISHGEC01T: State formation of Satavahanas. HISACOR05T: Studying Early Medieval India: Historical geography Sources. HISACOR06T: Course of the European Reformation in the 16th century. HISACOR07T: Delhi Sultanate: Persian tarikh tradition; vernacular histories & epigraphy. HISHGEC03T: Akbar to Aurangzeb: Mansab and Jagirs. HISACOR11T: Napoleonic reforms, Napoleonic Empire and Europe Fall of Napoleon: The Continental System. HISACOR12T: The Deccan Riots, The growth of the new middle class. HISADSE01T: South-East: Debates on the question of 'Indianisation'. HISADSE02T: The First Indochina war. 	

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Week 9 to	NA	1. HISACOR01T: North India (circa 1500 BC)	
Week 12		2. HISACOR02T: Urbanization of ancient Gre	
		3. HISHGEC01T: Material Culture of Satavah	anas.
		4. HISACOR05T: Rise of the Rajputs.	41.
		5. HISACOR06T: Results of the European Ret	
		6. HISACOR07T: Foundation, expansion and	consolidation of the Sultanate
		of Delhi.	
		7. HISHGEC03T: Akbar to Aurangzeb: State I	Politics.
		8. HISACOR11T: The Spanish Ulcer; The Mo	scow campaign. Assessment
		of Napoleon.	
		9. HISACOR12T: South-East Asia: The age of	associations.
		10.HISADSE01T: Post-War historiography of S	South-East Asia.
		11.HISADSE02T: Geneva Agreements	
Week 13	NA	1. HISACOR01T: Central India and the Deco	ean (circa 1000 BCE circa 300
WCCK 13	11/1	BCE).	an (chearood Bell-chea 300
		2. HISACOR02T: Trade of ancient Greece	
		3. HISHGEC01T: Administration of Satavaha	nag
		4. HISACOR05T: Early Medieval India: The	
		5. HISACOR06T: Results of the European Re	
		6. HISACOR07T: The Khaljis and the Tughlu	
		7. HISHGEC03T: Akbar to Aurangzeb: Religi	
		8. HISACOR11T: Character of the French Re	volution.
		9. HISACOR12T: The Aligarh movement.	
		10. HISADSE01T: The 'autonomy' of Southe	ast Asia.
		11. HISADSE02T: American participation.	
	1		nternal Exam
Week 15	NA	1.HISACOR01T: Aryan Problem.	
to 17		2. HISACOR02T: Trade of ancient Greece.	
		3. HISHGEC01T: Religion of Satavahanas.	
		4. HISACOR05T: Early Medieval India: The	nature of the state.
		5. HISACOR06T: Trade of ancient Greece	
		6. HISACOR07T: Mongol threat and Timur's	invasion & the Lodis:
		Conquest of Bahlul and Sikandar.	
		7. HISHGEC03T: Akbar to Aurangzeb: Socio	-Religious Movements.
		8. HISACOR11T: Impact of French Revolution	n on Europe and abroad.
		9. HISACOR12T: The Arya and the Prarthana	=
		10. HISADSE01T: The 'autonomy' of Southe	•
		11. HISADSE02T: The nature of American pa	
Week 18		Revision, Practise	Revision
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GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Even Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: II, IV & VI.

Name of the Teacher: Dr. Ratan Kumar Biswas.

Subject: History

Paper: CC-3, CC-4, GE-2, CC-9, CC-10, GE-4, CC-13, CC-14, DSE-4, DSE-5.

S. No.	Practical	Syllabus	
	Syllabus		
	to be		
	covered		
Week	NA	1. HISACOR03T: Economy and Society (circa 300 BCE to circa CE 300): (a)	
1 to		Expansion of agrarian economy: production relations.	
week		2. HISACOR04T: Roman Republic, Principate and Empire.	
4		3. HISHGEC02T: The Rise & Growth of the Guptas.	
		4. HISACOR09T: State and religion under Aurangzeb.	
		5. HISACOR010T: Foundations of Company's Rule.	
		6. HISHGEC04T: Interpreting the 18th Century.	
		7. HISACOR013T: Indian Democracy at Work c1950- 1970s.	
		8. HISACOR014T: Cold War and the emergence of bipolar politics.	
		9. HISADSE04T: Pre-colonial China- Nature and structure of the traditional	
		Chinese society.	
		10. HISADSE05T: Nationalism in China.	
Week		1. HISACOR03T: Urban growth: north India, central India and the Deccan.	
5 to	NA	2. HISACOR04T: Slave society in ancient Rome.	
week		3. HISHGEC02T: Gupta Administration.	
8		4.HISACOR09T : Aurangzeb: Issues in the war of success ion; policies regarding	
		Religious groups and Institutions.	
		5. HISACOR010T: Early contestations between the Dutch, French and the British	
		East India, The emergence of the English East India Company as a political power.	
		6.HISHGEC04T: Interpreting the 18th Century: Debates.	
		7. HISACOR013T: Language, Region, Caste and Religion.	
		8. HISACOR014T: Rise of Communist China.	
		9. HISADSE04T: The peasantry and gentry.	
		10. HISADSE05T: Emergence of the Republic and Yuan Shih Kai.	
Week	NA	1. HISACOR03T: Craft Production: trade and trade routes; coinage.	
9 to		2. HISACOR04T: Agrarian economy of Rome.	
Week		3. HISHGEC02T: Territorial States and The Rise of the Magadha.	
12		4.HISACOR09T : Aurangzeb: Conquests and limits of expansion.	
		5. HISACOR010T: Regulating Act; Pitt's India Act; Charter Acts.	
		6.HISHGEC04T: Emergence of Independent States.	
		7. HISACOR013T: Electoral Politics and the Changing Party System.	
		8. HISACOR014T: Cold War in Asia: Korea, Cuba, Vietnam, Middle East.	
		9. HISADSE04T: Government bureaucracy and central control.	

		10. HISADSE05T:Warlordism.		
Week	NA	1. HISACOR03T: Social stratification: class, varna, jati, untouchability.		
13		2. HISACOR04T: Urbanization in Rome.		
		3. HISHGEC02T: Society, Economy in the Gupta Age.		
		4.HISACOR09T : Aurangzeb: Beginning of the crisis.		
		5. HISACOR010T: Rural Economy and Society, Permanent settlement, Rayotwari		
		and Mahalwari Commercialization of agriculture.		
		6.HISHGEC04T: The Rise of the British Power in Bengal.		
		7. HISACOR013T: Regional Experiences India and the World.		
		8. HISACOR014T: Third World and Non Aligned Movement.		
		9. HISADSE04T: The Confucian value system.		
	10. HISADSE05T: May 4th Movement: origin.			
Week1	Week13 to week 14 Internal Exam			
Week	NA	1. HISACOR03T: Gender; marriage and property Relations.		
15 to		2. HISACOR04T: Roman Trade.		
17		3. HISHGEC02T: Religion and Art, Literatures, Science & Technology in the Age		
		of the Guptas.		
		4. HISACOR09T: Aurangzeb: Contemporary perceptions; agrarian and Jagir		
		crises, Inland and ocean trade network.		
		5. HISACOR010T: Trade and Industry De industrialization, Trade and fiscal		
		policy, Drain of Wealth, Growth of modern industry.		
		6.HISHGEC04T: Establishment of Colonial power: Battle of Plassey and Buxar.		
		7. HISACOR013T: Non Aligned Movement.		
		8. HISACOR014T: Détente and disintegration of the Soviet Bloc.		
		9. HISADSE04T: China's pre-modern economy.		
		10. HISADSE05T: May 4th Movement: nature and significance.		
Week	Revision,	Revision		
18	Practise			

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Even Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: II, IV & VI.

Name of the Teacher: Smt. Sumati Majumdar.

Subject: History

Paper: CC-3, CC-4, GE-2, CC-9, GE-4, CC-13, CC-14, DSE-4, DSE-5.

S. No	Practical Syllabus to be covered	Syllabus	
Week 1 to	NA	1. HISACOR03T: Towards early medieval India (circa CE fourth century to CE 750): Agrarian expansion.	

week		2. HISACOR04T: Societies in Central Islamic Lands.	
4		3. HISHGEC02T: Arabs in Sindh.	
		4.HISACOR09T: Sources, establishment of Mughal Rule.	
		5. HISHGECO4T: Expansion of Colonial Power up to 1857.	
		6. HISACOR013T: The Nehru era: Internal policy between 1947 to 1964.	
		7. HISACOR014T: Iranian Revolution.	
		8. HISADSE04T: Meiji Restoration.	
		9. HISADSE05T: Japan and World War II.	
Week		1. HISACOR03T: Land grants, changing production relations; graded	
5 to	NA	Land rights and peasantry.	
week		2. HISACOR04T: The tribal background, ummah, Caliphal state.	
8		3. HISHGEC02T: Polity of Arabs.	
		4.HISACOR09T: Akbar.	
		5. HISHGECO4T: Consolidation of Colonial Power up to 1857.	
		6. HISACOR013T: Movements for social justice.	
		7. HISACOR014T: Afghanistan in turmoil.	
		8. HISADSE04T: Meiji Restoration (a) Causes and nature of Restoration.	
		9. HISADSE05T: Japan and World War II.	
Week	NA	1. HISACOR03T: The problem of urban decline.	
9 to		2. HISACOR04T: Rise of Sultanates.	
Week		3. HISHGEC02T: Religion and Society of Arabs.	
12		4.HISACOR09T: Aurangzeb.	
		5. HISHGECO4T: Communalism: Genesis, Growth.	
		6. HISACOR013T: The new constitution, integration of the princely states.	
		7. HISACOR014T: Globalization and its impact.	
		8. HISADSE04T: Transformation of Japan.	
XX 7 1	27.4	9. HISADSE05T: Japan's bid for supremacy and defeat.	
Week	NA	1. HISACOR03T: Patterns of trade.	
13		2. HISACOR04T: Religious developments: the origins of shariah, Mihna,	
		Suffism.	
		3. HISHGEC02T: Struggle for power in Northern India.	
		4.HISACOR09T: Mughal Art, Architecture & Painting . 5. HISHGECO4T: Partition of India.	
		6. HISACOR013T: Growth of parliamentary democracy. 7. HISACOR014T: Rise of Terrorism – 9/11.	
		8. HISADSE04T: Process of modernization.	
		9. HISADSE05T: Japan's bid for supremacy and defeat.	
Wook1	3 to week 1		
Week	NA		
Week 15 to	INA	 HISACOR03T: Currency, and urban Settlements. HISACOR04T: Urbanization and trade. 	
17		2. HISACOR041: Orbanization and trade. 3. HISHGEC02T: Establishment of Sultanate.	
1 /		4.HISACOR09T: Patterns of Regional Politics.	
		5. HISHGECO4T: Advent of Freedom: Constituent Assembly,	
		establishment of Republic.	
		6. HISACOR013T: Five years' plan.	
		7. HISACOR014T: Rise of Terrorism – 9/11 and Its impact.	
		8. HISADSE04T: Meiji Constitution.	
		9. HISADSE05T: Post war Japan under General Douglas MacArthur.	
		7. 1115/12/51.051.1 Ost wai Japan under General Douglas MacAtthur.	

Week	Revision,	Revision
18	Practise	

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Even Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: II, IV & VI.

Name of the Teacher: Dr. Eeshita Chatterjee.

Subject: History

Paper: CC-3, CC-4, GE-2, CC-8, CC-10, GE-4, CC-13, CC-14, DSE-4, DSE-5.

S. No	Practical	Syllabus	
	Syllabus	·	
	to be		
	covered		
Week	NA	1. HISACOR03T: Changing political formations (circa 300 BCE to circa CE 300).	
1 to		2. HISACOR04T: Religion medieval Europe.	
week		3. HISHGEC02T: Evolution of Political structures of Rashtakutas.	
4		4. HISACOR08T: Rise of modern science.	
		5. HISACOR010T: Bengal Renaissance.	
		6. HISHGECO4T: Uprising of 1857.	
		6. HISACOR013T: Partition.	
		7. HISACOR014T: The Road to 2nd World War.	
		8. HISADSE04T: Anglo Chinese relations till the Opium War.	
		9. HISADSE05T: The Communist Victory in China.	
Week		1. HISACOR03T: The Mauryan Empire.	
5 to	NA	2. HISACOR04T:Culture in medieval Europe	
week		3. HISHGEC02T: Evolution of Political structures of Palas.	
8		4. HISACOR08T: Mercantilism.	
		5. HISACOR010T: Rammohan Roy (Brahma Samaj), Young Bengal.	
		6. HISHGECO4T: Uprising of 1857: Causes.	
		6. HISACOR013T: Riots and Rehabilitation.	
		7. HISACOR014T: Germany's aggressive foreign policy.	
		8. HISADSE04T: The Tribute system; the Canton trade and its collapse.	
		9. HISADSE05T: Background of the foundation of the Communist Party.	
Week	NA	1. HISACOR03T: Post-Mauryan Polities with special reference to the Kushanas.	
9 to		2. HISACOR04T: Role of Byzantine Emperors in Promoting Cultures in Medieval	
Week		Europe.	
12		3. HISHGEC02T: Evolution of Political structures of Pratiharas.	
		4. HISACOR08T: European economics; 17th and 18th centuries.	
		5. HISACOR010T: Vidyasagar.	
		6. HISHGECO4T: Uprising of 1857: Nature.	
		6. HISACOR013T: Making of the Republic The Constituent Assembly.	
		7. HISACOR014T: The role of the war economy, Spanish civil war.	

		1		
		8. HISADSE04T: First & Second Opium Wars—the unequal treaties.		
		9. HISADSE05T: CCP under Mao Tse-tung: the making of the Red Army; the		
		Second United Front; Long March.		
Week	NA	1. HISACOR03T: Post-Mauryan Polities with special reference to the Satavahanas.		
13		2. HISACOR04T: Monasteries in Medieval Europe.		
		3. HISHGEC02T: Administration.		
		4. HISACOR08T: European politics in the 18th century.		
		5. HISACOR010T: Educational Reforms initiated by the Company.		
		6. HISHGECO4T: Uprising of 1857: Aftermath.		
		6. HISACOR013T: Drafting of the Constitution.		
		7. HISACOR014T: Mussolini's foreign policy and Abyssinian crisis.		
		8. HISADSE04T: Financial Imperialism: Open Door policy.		
	9. HISADSE05T: The Yenan experiment.			
Week1	Week13 to week 14 Internal Exam			
Week	NA	1. HISACOR03T: Post-Mauryan Polities with special reference to Gana Sanghas.		
15 to		2. HISACOR04T: Growth of Papacy in Medieval Europe.		
17		3. HISHGEC02T: Decline of the Rashtakutas, Pala & Pratiharas.		
		4. HISACOR08T: Absolutism in Europe.		
		5. HISACOR010T: Popular Resistance.		
		6. HISHGECO4T: Socio-Religious Movements in the 19th century.		
		6. HISACOR013T: Integration of Princely States.		
		7. HISACOR014T: Formation of the Rome Berlin Tokyo Axis – Grand Alliance		
		and the Second World War - Impact of the War.		
		8. HISADSE04T: The Taiping Rebellion: causes, nature and failure.		
		9. HISADSE05T: The Chinese Revolution (1949): Ideology, causes and		
		significance; the establishment of the Peoples Republic of China.		
Week	Revision,	Revision		
18	Practise			

GOVERNMENT OF WEST BENGAL,

SALT LAKE, KOLKATA

Teaching Plan for Even Semester,

UG course (CBCS)

Department of History

Session (2020-21)

Class: B.A. in History under CBCS.

Semester: II, IV & VI.

Name of the Teacher: Smt. Swati Sen.

Subject: History

Paper: CC-3, CC-4, GE-2, CC-8, CC-9, GE-4, CC-13, CC-14, DSE-4, DSE-5.

S. No	Practical Syllabus to be covered	Syllabus	
Week	NA	1. HISACOR03T: The nature of polities: the Gupta empire-Chandra Gupta I to	
1 to		Chandra Gupta II.	
week		2. HISACOR04T: Economic developments in Europe from the 7th to the 14th	

4		centuries: Organization of production.	
		3. HISHGEC02T: Harsha & His Times: Harsha's Kingdom.	
		4. HISACOR08T: 17th century European crisis.	
		5. HISHGECO4T: Emergence of Nationalism.	
		6. HISACOR013T: Towards Independence.	
		7. HISACOR014T: Challenges to the new European order.	
		8. HISADSE04T: Boxer Uprising: causes, nature and failure.	
		9. HISADSE05T: The Kuomintang and the Nationalist government.	
Week		1. HISACOR03T: Kumara Gupta, Skanda Gupta and latter rulers.	
5 to	NA	2. HISACOR04T: Economic developments in Europe from the 7th to the 14th	
week		centuries: towns and trade.	
8		3. HISHGEC02T: Harsha's Administration.	
		4. HISACOR08T: The English Revolution.	
		5. HISHGECO4T: Growth of Nationalism.	
		6. HISACOR013T: Emergence of the New State.	
		7. HISACOR014T: Consolidation and Development of power of the Soviet State.	
		8. HISADSE04T: The Revolution of 1911: background and causes, nature and	
		significance.	
		9. HISADSE05T: The rise of the Kuomintang Party.	
XX71-	NIA	· ·	
Week	NA	1. HISACOR03T: Gupta Administration, Society, Culture and Religion.	
9 to		2. HISACOR04T: Economic developments in Europe from the 7th to the 14th	
Week		centuries: technological developments.	
12		3. HISHGEC02T: Buddhism & Nalanda.	
		4. HISACOR08T: Political issues in the American Revolution.	
		5. HISHGECO4T: Gandhian nationalism.	
		6. HISACOR013T: Government of India Act 1935Working of the GOI Act.	
		7. HISACOR014T: French search for security, Rise of Fascism in Italy.	
		HISADSE04T: Role of Dr Sun Yat- Sen.	
		9. HISADSE05T: Political crisis in the 1920s.	
Week	NA	1. HISACOR03T: Decline of the Gupta Empire and Pallavas, Chalukyas, and	
13		Vardhanas.	
		2. HISACOR04T: Fall of feudalism.	
		3. HISHGEC02T: South India: Polity.	
		4. HISACOR08T: Economic issues in the American Revolution.	
		5. HISHGECO4T: Civil Disobedience Movement.	
		6. HISACOR013T: Negotiations for Independence.	
		7. HISACOR014T: Nazism in Germany.	
		8. HISADSE04T: Principles and polities, formation of the Republic.	
		9. HISADSE05T: The First United Front [b] Chiang Kai-shek.	
Week1	3 to week 1		
Week	NA	1. HISACOR03T: A brief survey of Sanskrit, Pali, Prakrit and Tamil literature.	
15 to		Scientific and technical treatises. Art and architecture & forms and patronage;	
17		Mauryan, post-Mauryan, Gupta, post-Gupta.	
		2. HISACOR04T: Crisis of Feudalism.	
		3. HISHGEC02T: South India: Society, and Economy and Culture.	
		4. HISACOR08T: Prelude to the Industrial Revolution.	
		5. HISHGECO4T: Quit India Movement.	
		5. HISHGECO4T: Quit India Movement.6. HISACOR013T: Popular Movements.7. HISACOR014T: World Economic depression of 1929, the Crisis of the Inter	

		War European Order. 8. HISADSE04T: Yuan Shih-kai and warlordism; the rise of the Kuomintang. 9. HISADSE05T: The KMT-CCP conflict- Ten Years of Nanking Government.
Week	Revision,	Revision
18	Practise	

GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Even Semester,

UG course (CBCS)
Department of History
Session (2020-21)

Class: B.A. in History under CBCS.

Semester: II, IV & VI.

Name of the Teacher: Dr. Bhaskar Roy

Subject: History

Paper: CC-03, CC-4, GE-2, CC-9, GE-4, SEC, CC-13, CC-14, DSE-4, DSE-5.

S. No	Practical	Syllabus	
	Syllabus		
	to be		
	covered		
	NA	1. HISACOR03T: Religion, philosophy and society (circa 300 BCE-CE 750).	
		2. HISACOR04T: Crises of the Roman Empire.	
		3. HISHGEC02T: Emergence of Rajput States in Northern India.	
		4. HISACOR09T: Akbar and Consolidation of Mughal Empire.	
Week		5. HISACOR13T: The Land Question Planned Economy (1950-1970s).	
1 to		6. HISACOR14T: United Nations Organization: its origin.	
week		8. HISADSE04T: Pre-Meji Japan (a) Tokugawa Shogunate.	
4		7. HISADSE05T: Rise of modern Japan: Process of modernization.	
		8. HISSSEC02M: Indian art and architecture (c. 1200 CE –1800 CE):	
		Sultanate architecture.	
	NA	1. HISACOR03T: Consolidation of the Brahmanical tradition: Dharma,	
		Varnashram, Purusharthas, Samskaras.	
		2. HISACOR04T: Economic developments in Europe from the 7 th to the 14 th	
		centuries: Organization of production.	
Week		3. HISHGEC02T: Rajput Polity.	
5 to		4. HISACOR09T: Mughal Empire Under Aurangazeb.	
week		5. HISACOR13T: Industry and Labour Science and Education (1950-1970s).	
8		6. HISACOR14T: United Nations Organization: its functions.	
		8. HISADSE04T: The feudal society and the government; Shintoism.	
		7. HISADSE05T: Rise of modern Japan [a] Process of modernization.	
		8. HISSSEC02M: Indian art and architecture (c. 1200 CE–1800 CE): Mughal	
		architecture.	
	NA	1. HISACOR03T: Theistic cults (from circa second century BC): Mahayana.	
		2. HISACOR04T: Economic developments in Europe from the 7 th to the 14 th	
		centuries: towns and trade.	
		3. HISHGEC02T: Rajput Economy.	

Week		4. HISACOR09T: Rise of the Marathas.			
9 to		5. HISACOR13T: The Women's Question: Movements and Legislation.			
Week		(1950-1970s).			
12		6. HISADSE01T: Pre-Meji Japan:Tokugawa Shogu	nate.		
		8. HISADSE04T: Economic condition.			
		7. HISADSE05T: Modern Japan: Rise of Political P	arties.		
Week	NA	1. HISACOR03T: The Puranic tradition.			
13		2. HISACOR04T: Economic developments in Europ	be from the 7 th to the 14 th		
		centuries: towns and trade.			
		3. HISHGEC02T: Rajput Economy.			
		4. HISACOR09T: Rise of the Marathas.			
		5. HISACOR13T: The Women's Question: Moveme	ents and Legislation.		
		(1950-1970s).			
		6. HISADSE01T: Pre-Meji Japan:Tokugawa Shogunate.			
		8. HISADSE04T: Encounter with the West: the Perry Mission.			
		6. HISADSE05T:Abolition of feudalism and economic growth.			
		Week13 to week 14 Internal Exam			
Week	NA	1. HISACOR03T: Art and architecture & forms and	patronage; post-Mauryan,		
15 to		Gupta, post-Gupta.			
17		2. HISACOR04T: Europe from the 7th to the 14th centuries: Crisis of			
		feudalism.			
		3. HISACOR09T: Bengal Nawabs and the rise of the English East India			
		Company in Bengal. Debate of the 18th Century on	the decline of the Mughal		
		Empire.			
		4. HISACOR13T: Cultural Trends: Institutions and Ideas, Literature, Media,			
		Arts (1950-1970s).			
		5. HISADSE01T: Pre-Meji Japan: Encounter with the West: the Perry			
		Mission. The crisis and fall of the Shogunate.			
		8. HISADSE04T: The opening of the Japan to the west, The crisis and fall of			
		the Shogunate.			
		6. HISADSE05T: The Zaibatsu of Japan.			
Week		Revision, Practise	Revision		
18					
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Teaching Plan for Odd Semester, UGcourse

Department of Political Science

Session (2020-21)

Class:B.A

Semester 1, 3 &5Name of the Teacher: Dr.Shahid Jamal Siddiqi (SJS)

Subject: Political Science

Paper:CC1, CC 2, CC6, CC7, CC12, SEC1, GE 1(CBCS) (Theory)

Theory syllabus to be covered (Paper code to be mentioned)	
Paper-CC1(PLSACOR01T): Understanding Political Theory	
Module 2. Approaches to the study	
Paper-CC6(PLSACOR06T): Perspectives on Public Administration	
Module-1. Public Administration as a Discipline	
Paper-CC12(PLSACOR12T): Indian Political Thought - I	
Module 1. Traditions of Pre-colonial Indian Political Thought	
Paper-CC 2 (PLSACOR02T): Constitutional Government and Democracy in India	
Module 3. Constitution of India: Structure, Process, Behaviour	
Paper-GE1(PLSHGEC01T)Introduction to Political Theory (Module 2)	
Paper-CC12(PLSACOR12T): Indian Political Thought - I	
Module 2 Outline of ancient Indian Political Thought	
Paper- CC5(PLSACOR05T): Introduction to Comparative Government and	
Politics	
Module – 3. Themes for comparative analysis	
Paper-SEC1(PLSSSEC01M): Democratic Awareness with Legal Literacy	
(Unit -2)	
Paper-CC12(PLSACOR12T): Indian Political Thought - I	
Module 2 Outline of Islamic and Syncretic Thought	
Internal Examination	
Paper-CC12(PLSACOR12T): Indian Political Thought – I	
Module 2 Outline of Islamic and Syncretic ThoughtContd.	
Revision	

Teaching Plan for Odd Semester, UGcourse

Department of Political Science

Session (2020-21)

Class:B.A

Semester 1, 3 & 5 Name of the Teacher: Saibal Gupta (SG)

Subject: Political Science

Paper:CC1, CC 2, CC5, CC7, CC11, GE 1, GE3, SEC1 (CBCS) (Theory)

S. No	Theory syllabus to be covered (Paper code to be mentioned)	
Week 1 to week 4	Paper-CC 2 (PLSACOR02T): Constitutional Government and Democracy in India	
	Module 1. Constitution of India(Article-wise)	
	Paper-CC5(PLSACOR05T): Introduction to Comparative Government and	
	Politics	
	Module – 1. Understanding Comparative Politics	
	Paper-GE3 (PLSHGEC03T): Comparative Government and Politics	
	Module 2. Historical Context of Modern Government	
	Paper-CC11(PLSACOR11T): Classical Political Philosophy	
	Module 1. Antiquity	
Week 5 to week 8	Paper-CC1(PLSACOR01T): Understanding Political Theory	
	Module 3. Models of Studying Political Theory	
	Paper-CC11(PLSACOR11T): Classical Political Philosophy	
	Module 2. Interlude	
Week 9 to Week12	Paper-CC7(PLSACOR07T): Perspectives on International Relations and World	
	History	
	Module - 3. An Overview of Twentieth-Century IR History	
	Paper-GE1(PLSHGEC01T)Introduction to Political Theory	
	Module 3. Debates in Political Theory	
	Paper-CC11(PLSACOR11T): Classical Political Philosophy	
	Module 3. Hobbes , Locke and Rousseau	
Week 13 to Week 14	Internal Examination	
Week 15 to 17	Paper-SEC1(PLSSSEC01M): Democratic Awareness with Legal Literacy	
	(Unit -3)	
Week 18	Revision	

Teaching Plan for Odd Semester, UG course

Department of Political Science

Session (2020-21)

Class:B.A

Semester 1, 3 & 5 Name of the Teacher: Tathagata Chakrabarti(TC)

Subject: Political Science

Paper:CC 2, CC5, CC6, CC7, DSE1, GE3 (CBCS) (Theory)

Theory syllabus to be covered (Paper code to be mentioned)	
Paper-CC 2 (PLSACOR02T): Constitutional Government and Democracy in India	
Module 2. Federalism	
Paper-CC5(PLSACOR05T): Introduction to Comparative Government and	
Politics	
Module – 2. Historical context of modern government	
Paper-DSE1(PLSADSE01T): Reading Gandhi (Module 1)	
Paper-CC6 (PLSACOR06T): Perspectives on Public Administration	
Module-2. Theoretical Perspectives	
Paper-DSE1(PLSADSE01T): Reading Gandhi	
Module 2. Gandhian Thought: Theory and Action	
Paper-CC7(PLSACOR07T): Perspectives on International Relations and World	
History	
Module-2. Theoretical Perspectives	
Paper-DSE1(PLSADSE01T): Reading Gandhi(Module 3)	
Internal Examination	
Paper-GE3 (PLSHGEC03T): Comparative Government and Politics	
Module 3. Themes for comparative analysis	
Revision	

Teaching Plan for Odd Semester, UGcourse

Department of Political Science

Session (2020-21)

Class:B.A

Semester 1, 3&5 Name of the Teacher: Deeplekha Sengupta Dasgupta

Subject: Political Science

Paper: CC1, GE 1, CC6, CC7, SEC1, GE3, DSE3(CBCS) (Theory)

S. No	Theory syllabus to be covered (Paper code to be mentioned)	
Week 1 to week 4	Paper-CC1(PLSACOR01T): Understanding Political Theory	
	Module - 1	
	Paper-GE1(PLSHGEC01T)Introduction to Political Theory	
	Module I. Introducing the subject	
	Paper-CC7 (PLSACOR07T): Perspectives on International Relations and	
	World History	
	Module-1. Studying International Relations	
	Paper-DSE3(PLSADSE03T): Understanding Global Politics	
	Module I. Globalization: Conceptions and Perspectives	
Week 5 to week 8	Paper-CC6 (PLSACOR06T): Perspectives on Public Administration	
	Module-3. Major Approaches In Public Administration	
	Paper-GE3 (PLSHGEC03T): Comparative Government and Politics	
	Module I. Understanding Comparative Politics	
	Paper-DSE3(PLSADSE03T): Understanding Global Politics	
	Module 2. Identity and Culture: Crisis ofCoexistance	
Week 9 to Week 12	Paper-SEC1(PLSSSEC01M): Democratic Awareness with Legal Literacy	
	(Unit -1)	
	Paper-DSE3(PLSADSE03T): Understanding Global Politics	
	Module 3. Global Environment	
Week 13 to Week 14	Internal Examination	
Week 15 to 17	Paper-DSE3(PLSADSE03T): Understanding Global Politics	
	Module 3. Global EnvironmentContd.	
Week 18	Revision	

Teaching Plan for Even Semester, UG course

Department of Political Science

Session (2020-21)

Class:B.A

 $Semester~2,\!4~\&6 Name~of~the~Teacher:~Dr. Shahid~Jamal~Siddiqi~(SJS)~Subject:~Political$

Science

Paper: CC3, CC9, DSE6,GE2, GE4 (CBCS) (Theory)

S. No	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper-CC3 (PLSACOR03T): Political Theory-Concepts and Debates
	Module – 1. Core political concepts
	Paper- CC9(PLSACOR09T): Public Policy and Administration in India
	Module I. Public Policy
	Paper -DSE6(PLSADSE06T): Governance: Issues and Challenges
	Module 1. Government And Governance: Concepts
Week 5 to week 8	Paper-GE2-(PLSHGEC02T): Indian Government and Politics
	Module-2. Constitution of India (Article Wise)
	Paper- CC9(PLSACOR09T): Public Policy and Administration in India
	Module-2.
	Paper -DSE6(PLSADSE06T): Governance: Issues and Challenges
	Module 2. Environmental Governance
Week 9 to Week 12	Paper-GE4(PLSHGEC04T): Introduction to International Relations
	Module-1. Studying International Relations
	Paper- CC9(PLSACOR09T): Public Policy and Administration in India Module -3. Budget
	Paper -DSE6(PLSADSE06T): Governance: Issues and Challenges
	Module -3. Good Governance Initiatives in India: Best Practices
Week 13 to Week 14	Internal Examination
Week 15 to Week 17	Paper -DSE6(PLSADSE06T): Governance: Issues and Challenges
	Module -3. Good Governance Initiatives in India: Best PracticesContd.
Week 18	Revision

Teaching Plan for Even Semester, UG course

Department of Political Science

Session (2020-21)

Class:B.A

Semester 2,4 &6 Name of the Teacher: Saibal Gupta (SG)

Subject: Political Science

Paper: CC3, CC 4, CC10, CC13, GE 2, GE 4(CBCS) (Theory)

S. No	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper-CC3 (PLSACOR03T): Political Theory-Concepts and Debates
	Module – 2. Core Concepts and Debates
	Paper-GE2-(PLSHGEC02T): Indian Government and Politics
	Module-1. Evaluation
	Paper-CC10(PLSACOR10T): Global Politics
	Module-1. Globalization: Conceptions and Perspectives
	Paper –CC13(PLSACOR13T): Modern Political Philosophy
	Module 1. Modernity and its discourse(Two essential readings)
Week 5 to week 8	Paper-CC4 (PLSACOR04T): Political Process in India
	Module 3.The concerns
	Paper-GE4(PLSHGEC04T): Introduction to International Relations
	Module-2. Theoretical Perspectives
	Paper-CC10(PLSACOR10T): Global Politics
	Module-2. Contemporary Global Issues
	Paper – CC13(PLSACOR13T): Modern Political Philosophy
	Module 2. Faminist Discourse
Week 9 to Week 12	Paper-CC10(PLSACOR10T): Global Politics
	Module-3. Global Shifts: Power and Governance
	Paper – CC13(PLSACOR13T): Modern Political Philosophy
	Module 3. Liberal socialist and Radicals
Week 13 to Week 14	Internal Examination
Week 15 to 17	Paper – CC13(PLSACOR13T): Modern Political Philosophy
	Module 3. Liberal socialist and RadicalsContd.
Week 18	Revision

Teaching Plan for Even Semester, UG course

Department of Political Science

Session (2020-21)

Class:B.A

Semester 2,4 &6 Name of the Teacher: Tathagata Chakrabarti (TC)

Subject: Political Science

Paper: CC3, CC 4, CC8, CC14, GE 2(CBCS) (Theory)

Paper-CC4 (PLSACOR04T): Political Process in India Module – 1. Structure and process of the election system Paper -CC8(PLSACOR08T): Political Processes and Institutions in Comparative Perspective Module 1. Approaches to Studying Comparative Politics Paper-CC14(PLSACORT4T):Indian Political Thought - II Module 1. Introduction to Modern Indian Political Thought	
Paper -CC8(PLSACOR08T): Political Processes and Institutions in Comparative Perspective Module 1. Approaches to Studying Comparative Politics Paper-CC14(PLSACORT4T):Indian Political Thought - II Module 1. Introduction to Modern Indian Political Thought	
Comparative Perspective Module 1. Approaches to Studying Comparative Politics Paper-CC14(PLSACORT4T):Indian Political Thought - II Module 1. Introduction to Modern Indian Political Thought	
Module 1. Approaches to Studying Comparative Politics Paper-CC14(PLSACORT4T):Indian Political Thought - II Module 1. Introduction to Modern Indian Political Thought	
Paper-CC14(PLSACORT4T):Indian Political Thought - II Module 1. Introduction to Modern Indian Political Thought	
Module 1. Introduction to Modern Indian Political Thought	
Description of the Control of the Co	
Paper-GE2-(PLSHGEC02T): Indian Government and Politics	
Module-III. Constitution of India	
Paper -CC8(PLSACOR08T): Political Processes and Institutions in	
Comparative Perspective (Module 2)	
Paper-CC14(PLSACORT4T): Indian Political Thought - II (Module -2)	
Paper -CC8(PLSACOR08T): Political Processes and Institutions in	
Comparative Perspective (Module -3)	
Paper-CC14(PLSACORT4T): Indian Political Thought – II(Module – 3)	
Internal Examination	
Paper-CC3 (PLSACOR03T): Political Theory-Concepts and Debates	
Module – 3. Theories of State	
Revision	
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Teaching Plan for Even Semester, UG course

Department of Political Science

Session (2020-21)

Class:B.A

Semester 2,4 &6 Name of the Teacher: Deeplekha Sengupta Dasgupta

Subject: Political Science

Paper: CC4, SEC2, GE4, DSE5(CBCS) (Theory)

S. No	Theory topics to be covered (Paper code to be mentioned)	
Week 1 to week 4	Paper CC4 (PLSACOR04T)- Political Process in India	
	Module 2.Issues in contemporary politics	
	Paper-GE4(PLSHGEC04T): Introduction to International Relations	
	Module 3. An Overview of Twentieth Century IR History (DS)	
	Paper –DSE5(PLSADSE05T): Human Rights in a Comparative Perspective	
	Module-1. Human Rights: Theory and Institutionalization	
Week 5 to week 8	Paper CC4 (PLSACOR04T)- Political Process in India	
	Module 2. Issues in contemporary politics Contd.	
	Paper-SEC2(PLSSSEC02M): Public Opinion and Survey Research	
	Module-1. Introduction to the course	
	Paper – DSE5(PLSADSE05T): Human Rights in a Comparative Perspective	
	Module 2. Issues	
Week 9 to Week 12	Paper-SEC2(PLSSSEC02M): Public Opinion and Survey Research	
	Module-2. Measuring Public Opinion with Surveys: Representation and	
	Sampling	
	Paper – DSE5(PLSADSE05T): Human Rights in a Comparative Perspective	
	Module 3. Structural Violence	
Week 13 to Week 14	Internal Examination	
Week 15 to Week 17	Paper-SEC2(PLSSSEC02M): Public Opinion and Survey Research	
	Module-3. Quantitative Data Analysis	
Week 18	Revision	

Teaching Plan for ODD Semester, UG course

Department ofENGLISH.....

Session (2020-2021)

Class:B.A. Hons Semester I, III, V

Name of the Teacher: TAPOMOY DAS

Subject: ENGLISH

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1 to week 4	NA	CC1: Vyasa, "The Book of the Assembly Hall' in The Mahabharata (15+3) CC5: Anne Bradstreet-'The Prologue Paper C: Background — Romanticism and Modern, Keats ('When I have fears', 'Ode on a Grecian Urn'), Yeats ('The Second Coming'), Eliot ('The Love Song of J. Alfred Prufrock'), Ted Hughes ('The Thought Fox') & Short Story - Kew Gardens CC11: Emily Dickinson- 'I cannot live with you' CC12: Rupert Brooke- Peace DSE: Tragedy
Week 5 to week 8	NA	CC2: Sophocles, 'Oedipus the King' in The Three Theban Plays ed. Fagles. CC5: Toni Morrison—Beloved CC11: Charlotte Perkins Gilman- 'The Yellow Wallpaper' CC12: Virginia Woolf- To the Lighthouse DSE: Indo-European family of Languages, Grimm's Law, Latin, Greek, Scandinavian, French influences, Native Resources, Impact of the Bible, Influence of Shakespeare, American Influence, Philological notes.
Week 9 to Week 12	NA	CC2: Sophocles, 'Oedipus the King' in The Three Theban Plays ed. Fagles. CC6: Shyam Selvadurai—Funny Boy CC7: Aphra Behn -The Rover CC11: Rassundari Debi, excerpts from Amar Jiban DSE: Old English Poetry- Background of the age, culture, structure of the epic, style, theme. A passage from Beowulf.
Week 13	NA	Revision and Tutorial
Week13 to week 14		Internal Exam
Week 15 to 17	NA	Revision
Week 18	NA	Revision

Teaching Plan for Odd Semester, UG course

Department of ...ENGLISH.....

Session (2020-2021)

Class:B.A. Hons Semester I, III, V

Name of the Teacher: SIDHARTHA DEY

Subject: ENGLISH

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	NA	CC1: Sudraka, Mrcchakatika trans M.M. Ramachandra Kale.
to week 4		CC5: Walt Whitman -'Passage to India' (lines 1–68)
		Paper C etc:
		CC11: Sylvia Plath -'Daddy','Lady Lazarus'
		CC12: W.H.Auden- Musée des Beaux Arts
		DSE: COMEDY
Week 5 to	NA	CC1: Sudraka, Mrcchakatika trans M.M. Ramachandra Kale.
week 8		CC5: Edgar Allan Poe -'The Purloined Letter'
		CC7: John Milton - Paradise Lost Book I
		CC11: Katherine Mansfield - 'Bliss'
Week 9 to	NA	CC2: Homer, The Illiad, Bk I & II, trans. E.V. Rieu.
Week 12		CC5: Tenesse Williams- A Street Car Named Desire
		CC12: W.B. Yeats 'Lake Isle of Innisfree, 'Sailing to Byzantium'
		DSE: Pre-Christian Latin loans; Scandinavian war & law terms;
		hybridism; Johnsonese; monosyllabism; back-formation; free and
		fixed compounds; French law terms; assimilation; ing-endging; s-
		ending.
Week 13	NA	CC2: Homer, The Illiad, Bk I & II, trans. E.V. Rieu.
		CC6: Herge-Tintin in Tibet
		DSE: Non-epic, secular, elegiac poetry, theme, style, social picture,
		language, style : Deor's Lament
Week13	3 to week 14	Internal Exam
Week 15	NA	Revision and Tutorial
to 17		Nevision and Fatorial
Week 18	NA	Revision
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Teaching Plan for ODD Semester, UG course

Department of ...ENGLISH.....

Session (2020-2021)

Class:B.A. Hons Semester I, III, V

Name of the Teacher: ANIRUDDHA PAL

Subject: ENGLISH

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	NA	CC1: Banabhatta, Kadambari (Chp I & II) CC5: Langston Hughes- 'The Negro Speaks of Rivers' Paper C etc: CC11: Eunice De Souza 'Advice to Women', 'Bequest' CC12: Joseph Conrad- Heart of Darkness. DSE: NOVEL
Week 5 to week 8	NA	CC1: Banabhatta, Kadambari (Chp I & II) CC5: F. Scott Fitzgerald- 'The Crack-up' DSE: Philological Word Notes CC11: Mary Wollstonecraft A Vindication of the Rights of Woman (New York: Norton, 1988) chap. 1, pp. 11–19; chap. 2, pp. 19–38.
Week 9 to Week 12	NA	CC2: Ovid, Selections from Metamorphoses, 'Bacchus' (BK III) CC6: Lewis Carroll—Through the Looking Glass Paper C etc: CC7: Alexander Pope -The Rape of the Lock (Cantos I & III) CC12: T.S. Eliot 'The Love Song of J. Alfred Prufrock', Preludes
Week 13	NA	CC2: Ovid, Selections from Metamorphoses, 'Bacchus' (BK III) CC6: Lewis Carroll—Through the Looking Glass DSE: Christian poetry- Caedmon's hymn; Cynewulf, Dream of the Rood
Week 1	3 to week 14	Internal Exam
Week 15 to 17	NA	Revision
Week 18	NA	Revision

Teaching Plan for ODD Semester, UG course

Department ofENGLISH.....

Session (2020-2021)

Class: B.A. Hons Semester I, III, V

Name of the Teacher: KETAKI DUTTA

Subject: ENGLISH

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	NA	CC1: Kalidasa, 'Abhijnana Shakuntalam' in The Loom of Time, trans. Chandra Rajan. CC5: Alexie Sherman Alexie-'Crow Testament'; 'Evolution' Paper C etc: CC11: Jean Rhys—The Wide Sargasso Sea CC12: D.H. Lawrence- Sons and Lovers DSE: Loan words • Loan translations • Hybrids • Adaptations
Week 5 to week 8	NA	 DSE: Loan Words • Loan translations • Hybrids • Adaptations • Diffusions CC1: Kalidasa, 'Abhijnana Shakuntalam' in The Loom of Time, trans. Chandra Rajan. (CONTD) CC5: William Faulkner 'Dry September' Paper C etc: CC11: Ramabai Ranade 'A Testimony of our Inexhaustible Treasures', in Pandita Ramabai Through Her Own Words: Selected Works, tr. Meera Kosambi (New Delhi: OUP, 2000) pp.
Week 9 to Week 12	NA	295–324. CC2: Plautus, Pot of Gold, trans. E.F.Watling. CC6: Agatha Christie—The Murder of Roger Ackroyd Paper C etc: CC7: John Webster -The White Devil CC12: Owen- Spring Offensive
Week 13	NA	CC2: Plautus, Pot of Gold, trans. E.F.Watling. (CONTD.) CC6: J.K. RowlingThe Philosopher's Stone Paper C etc: DSE: Old English Prose - An overview
Week 1	3 to week 14	Internal Exam
Week 15 to 17	NA	Revision
Week 18	NA	Revision

Teaching Plan for EVEN Semester, UG course

Department ofENGLISH.....

Session (2020-2021)

Class:B.A. Hons Semester II, IV, VI

Name of the Teacher: TAPOMOY DAS

Subject:

Paper: CC3, CC4,CC8, CC9,CC10,CC14, DSE (Theory and Practical)

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	NA	CC3: H.V. Derozio—'Freedom to the Slave'
to week 4		CC4: Spenser – 'One day I wrote her name'
		CC9: S.T. Coleridge- 'Kubla Khan,' Christabel I
		CC10: Christina Rossetti'The Goblin Market'
		CC14: Pablo Neruda 'Tonight I can Write'; 'The Way Spain
		Was'
Week 5 to	NA	CC3: Nissim Ezekiel—'The Night of the Scorpion'
week 8		CC4: Herbert, 'Pulley'
		CC9: William Hazlitt- 'On the Love of the Country' from Selected
		Essays as edited by Geoffrey Keynes (London: Nonsuch Press,
		1930).
		CC10: Arnold –'Modern Elements in Literature'
		CC14: Chinua Achebe—Things Fall Apart
Week 9 to	NA	CC3: Ruskin Bond- 'Tiger, Tiger, Burning Bright'
Week 12		CC8: William Congreve, The Way of the World
		CC14: Grace Ogot 'The Green Leaves'
Week 13	NA	DSE: Maggie Humm: Practising Feminist Criticism: An
		Introduction. London 1995.
		DSE: Faiz Ahmad Faiz, 'For Your Lanes, My Country', in In English: Faiz Ahmad Faiz, A Renowned Urdu Poet, tr. and ed. Riz Rahim
		(California: Xlibris, 2008) p. 138.
		DSE: Intizar HusainBasti, tr. Frances W. Pritchett
		DSE. Intizal Husain Basti, tr. Frances W. Fritchett
Week13 to week 14		Internal Exam
Week 15	NA	DSE: Lalithambika Antharajanam, 'A Leaf in the Storm '
to 17		
Week 18	NA	Revision
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Teaching Plan for EVEN Semester, UG course

Department of ...ENGLISH.....

Session (2020-2021)

Class:B.A. Hons

Semester II, IV, VI Name of the Teacher: SIDHARTHA DEY

Subject: ENGLISH

Paper: CC3, CC4, CC8,CC9,CC10, CC13, CC14, DSE (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	NA	CC3: Michael Madhusudan—'I Stood in Solitude, and as I
to week 4		looked'
		CC4: Shakespeare, Sonnets: 30, 129
		CC8: Jonathan Swift, Gulliver's Travels BK.3 & 4
		CC10: Matthew Arnold- Dover Beach
		CC14: Derek Walcott'A Far Cry from Africa';'Names'
Week 5 to	NA	CC3: Jayanta Mahapatra-Hunger
week 8		CC4: William Shakespeare-Macbeth
		CC9: P.B. Shelley- 'Ode to the West Wind', Ozymandias
		CC10: Darwin- 'Introduction'. Origin of Species
		CC14: Gabriel Garcia Marquez Chronicle of a Death Foretold
Week 9 to	NA	CC3: Salman Rushdie- 'The Free Radio'
Week 12		CC9: Horace Walpole-The Castle of Otranto
		DSE: William Wordsworth: Preface to the Lyrical Ballads (1802)
Week 13	NA	DSE: T.S. Eliot: "Tradition and the Individual Talent" 1919; "The
		Function of Criticism" 1920
		DSE: Jibananda Das, 'I Shall Return to This Bengal', tr. Sukanta
		Chaudhuri
Week1.	3 to week 14	Internal Exam
Week 15 to 17	NA	DSE: Dibyendu Palit, 'Alam's Own House'
Week 18	NA	Revision

Teaching Plan for EVEN Semester, UG course

Department of ...ENGLISH.....

Session (2020-2021)

Class: B.A. Hons Semester II, IV, VI

Name of the Teacher: ANIRUDDHA PAL

Subject: ENGLISH

Paper: CC3, CC4, CC8, CC9, CC10, CC13, CC14, DSE (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	NA	CC3: Kamala Das- Introduction CC4: Donne, 'Cannonization' CC8: Non-fictional Prose: Joseph Addison, 'The Scope of Satire'; Daniel Defoe, 'The Complete English Gentleman' in Literature and Social Order in Eighteenth-Century England; Samuel Johnson, Essay 156 in The Rambler from Selected Writings: Samuel Johnson CC10: Jane Austen - Pride and Prejudice CC14: David Malouf 'Revolving Days'; 'Wild Lemons'
Week 5 to week 8	NA	CC3: R.K.Narayan—The Guide CC4: William Shakespeare- Twelfth Night CC9: John Keats— 'Ode on a Grecian Urn', Ode to Autumn CC10: Carlyle- Heroes and Hero Worship, Lecture III, 'The Hero as Poet' (only the portion on Shakespeare) CC14: Bessie Head 'The Collector of Treasures'
Week 9 to Week 12	NA	CC3: Girish Karnad- Tughlaq CC10: Tennyson-'Ulysses'; 'The Lady of Shallot' DSE: Gulzar, 'Toba Tek Singh', tr. Anisur Rahman, in Translating Partition, ed. Tarun Saint et. al.
Week 13	NA	DSE: S.T. Coleridge: Biographia Literaria. Chapters IV, XIII and XIV DSE: I.A. Richards: Principles of Literary Criticism, Chapters 1,2 and 34 (London 1924) and Practical Criticism (London, 1929) DSE: Manik Bandhopadhya, 'The Final Solution'
Week 1	3 to week 14	Internal Exam
Week 15 to 17	NA	Revision
Week 18	NA	Revision

Teaching Plan for EVEN Semester, UG course

Department ofENGLISH.....

Session (2020-2021)

Class:B.A. Hons Semester II, IV, VI

Name of the Teacher: KETAKI DUTTA

Subject: ENGLISH

Paper: CC3,CC4, CC8, CC9, CC10, CC13, CC14, DSE (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	NA	CC3: Ramanujan—'Another View of Grace' CC4: Marvell, 'To His Coy Mistress' CC9: William Wordsworth- 'Tintern Abbey'; Ode on Intimations of Immortality CC10: Charles Dickens—David Copperfield CC14: Mamang Dai'Small Towns and the River';'The Voice of the Mountain'
Week 5 to week 8	NA	CC3: Sashi Despande—'The Intrusion' CC8: Samuel Johnson, 'London'; Gray, 'Elegy Written in a Country Churchyard'; Blake, Introduction to Songs of Innocence, 'The Lamb', 'The Tyger' from Songs of Experience CC14: Ama Ata Aidoo 'The Girl who can'
Week 9 to Week 12	NA	CC4: Geoffrey Chaucer—'Prologue (lines 1-42) CC9: Charles Lamb- Dream Children, The Superannuated Man CC10: Robert Browning - 'My Last Duchess'; 'The Last Ride Together'
Week 13	NA	DSE: Virginia Woolf: Modern Fiction DSE: Cleanth Brooks: "The Heresy of Paraphrase", and "The Language of Paradox" in The Well-Wrought Urn: Studies in the Structure of Poetry (1947)
Week 1	3 to week 14	Internal Exam
Week 15 to 17	NA	DSE: Khuswant Singh—Train to Pakistan DSE: Sa'adat Hasan Manto, 'Toba Tek Singh'
Week 18	NA	Revision

Teaching Plan for Odd Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester I, III & V (Under CBCS)

Name of the Teacher: Shoumyasree Sen

Subject: Education

Paper: CC-1, CC-2, GE-1, CC-5, CC-6, DSE-1, DSE-2, (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered
	(Paper code to be mentioned)	(Paper code to be mentioned)
Week 1 to	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
week 4	Paper B: NONE	Unit 1: Indian philosophical thoughts and their influence on
TOCK T	Paper C:	education – Sankhya, Yoga
	'	SEM I: Educational Psychology/ EDCACOR02T
		Unit 4: Psychology of learning a. Learning – concept and scope,
		Factors influencing learning – attention, maturation
		SEM I: Philosophical Foundation of Education/GE-1
		Unit-I: Concept nature and scope of Education, Factors of Education
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 2: Charter Act of 1813, Macaulay Minute
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: Development of education from 1986-1992
		SEM V: Women Education/ EDCADSE01T
		Unit-2: Development of Women Education in ancient, mediaeval
		and British period (from 1600 to 1947), Recommendations of
		various Commission and Committee for the development of
		Women Education in post –independence India
		SEM V: Teacher Education/ EDCADSE02T
		Unit-2: Functions of teacher, characteristics of an ideal teacher
Week 4	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NONE	Unit 1: Yoga, Jainism
week 8	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
	·	Unit 4: Factors influencing learning – motivation and emotion,
		Theories of learning: Pavlov, Skinner
		Bandura and Vygotsky
		SEM I: Philosophical Foundation of Education/GE-1
		Unit 2: Forms of Education – Informal, Formal and Non-formal and
		Open Education
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 2: Bengal renaissance – nature, characteristics, Contributions
		of Rammohan
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: Development of education from 1986-1992, National Policy
		on Education, 1986
		Paper: Women Education/ EDCADSE01T
		SEM V : Recommendations of various Commission and Committee
		for the development of Women Education in post –independence
		India
		Unit-3: Probable Remedial measures to solve the problems of
		Women Education with reference to NPE 1986
		SEM V: Teacher Education/ EDCADSE02T
		Unit-2: Characteristics of an ideal teacher, Role of teacher at
		present context

Week 8	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NONE	Unit 1: Jainism, Buddhism
Week 12	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
Week 12	. ape. e.	Unit 4: Theories of learning: Bandura
		SEM I: Philosophical Foundation of Education/GE-1
		Unit 2: Aims of Education – Individualistic, Socialistic & Democratic
		view of Education.
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 2: Contributions of Rammohan, Derozio
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: National Policy on Education, 1986, Programme of Action,
		1992
		SEM V: Women Education/ EDCADSE01T
		Unit-3: Probable Remedial measures to solve the problems of
		Women Education with reference to NPE 1992 and 2019, Role of
		Teacher in popularizing Women Education
		SEM V: Teacher Education/ EDCADSE02T
		Unit-2: Definition and characteristics of teaching, Teaching as a
		profession
Week 13	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
	Paper B: NONE	Unit-1: Islamic
	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
		Unit 4: Theories of learning: Vygotsky
		SEM I: Philosophical Foundation of Education/GE-1
		Unit 4: R. N. Tagore
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 2: Unit 2: Contributions of Vidyasagar
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: Programme of Action, 1992
		SEM V: Women Education/ EDCADSE01T
		Unit – 4: Constitutional Rights – Article 15, 16, 23, 39, 42, 51, 243
		SEM V: Teacher Education/ EDCADSE02T
		Unit-2: Teaching as a profession
Week	13 to week 14	Internal Exam
Week 15	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NONE	Unit 1: Islamic
Week 17	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
TTCCK 17	. ape. e.	Unit 4: Theories of learning: Vygotsky
		SEM I: Philosophical Foundation of Education/GE-1
		Unit 4: F. W. A. Froebel
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 2: Unit 2: Contributions of Vidyasagar
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: <i>Unit 3: Programme of Action, 1992</i>
		SEM V: Women Education/ EDCADSE01T
		Unit – 4: Legal Rights – Domestic Violence Act (2005), National
		Commission for Women Act (1990), Sexual Harassment of Women
		at Workplace Act (2013)
		SEM V: Teacher Education/ EDCADSE02T
M/- 1 40	B. Maria	Unit-2: Ethics of a teacher
Week 18	Revision, Practise	Revision

Teaching Plan for Even Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester II, IV & VI (Under CBCS)

Name of the Teacher: Shoumyasree Sen

Subject: Education

Paper: CC-4, CC- 8, CC-13, (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered
	(Paper code to be mentioned)	(Paper code to be mentioned)
Week 1 to	Paper A:	SEM II: Pedagogy/ EDCACOR04T
week 4	Paper B: None	Unit 3: Teaching – learning of 3 R's, Teaching – learning of verbal
	Paper C:	conditioning
		SEM IV: Educational Management/ EDCACOR08T
		Unit 1: Educational management – concept, nature, need and scope,
		Types of educational management – centralized, decentralized,
		SEM VI: Curriculum Studies/ EDCACOR13T
		Unit 2: Need to form aims and objectives of curriculum, Areas of
		educational objectives: Bloom's taxonomy (Cognitive only)
Week 4	Paper A:	SEM II: Pedagogy/ EDCACOR04T
to	Paper B: None	Unit 3: Teaching – learning of verbal conditioning, Teaching – learning of
week 8	Paper C:	psychomotor skill
		SEM IV: Educational Management/ EDCACOR08T
		Unit 1: Types of educational management –authoritarian, democratic,
		dynamic and laissez faire, Supervision and inspection – concept, scope,
		difference between supervision and inspection
		SEM VI: Curriculum Studies/ EDCACOR13T
		Unit 3: UGC model of curriculum development: CBCS, Factors of curriculum
		development
Week 8	Paper A:	SEM II: Pedagogy/ EDCACOR04T
to	Paper B: None	Unit 4: Teaching – learning of principles and concepts, Teaching – learning
Week 12	Paper C:	of problem-solving
		SEM IV: Educational Management/ EDCACOR08T
		Unit 2: Leadership in management – concept, scope, significance,
		characteristics of an effective leader in education, Characteristics of an
		effective leader in education
		SEM VI: Curriculum Studies/ EDCACOR13T
		Unit 4: Meaning and purpose of curriculum evaluation, Approaches of
		curriculum evaluation: formative and summative
Week 13	Paper A:	SEM II: Pedagogy/ EDCACOR04T
	Paper B: None	Unit 4: Teaching – learning of knowledge construction
	Paper C:	SEM IV: Educational Management/ EDCACOR08T
		Unit 2: Total Quality in educational management
		SEM VI: Curriculum Studies/ EDCACOR13T
		Unit 4: Scientific model of curriculum evaluation – Stenhouse's model
Week	13 to week 14	Internal Exam
Week 15	Paper A:	SEM II: Pedagogy/ EDCACOR04T
to	Paper B: None	Unit 4: Teaching – learning of knowledge construction
Week 17	Paper C:	SEM IV: Educational Management/ EDCACOR08T
		Unit 2: Total Quality in educational management
		SEM VI: Curriculum Studies/ EDCACOR13T
		Unit 4: Scientific model of curriculum evaluation – Stenhouse's model
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, PG course

Department of Education

Session (2020-2021)

Class: M.A.

Semester I & III (Under CBCS)

Name of the Teacher: Shoumyasree Sen

Subject: Education

Paper: Departmental: 1, 2, AECC, 12, 13 (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered
	(Paper code to be mentioned)	(Paper code to be mentioned)
Week 1	Paper A:	SEM-I: Philosophical Foundations of Education/ EDCPCORO1T
to	Paper B: NONE	Unit- 2: Indian Philosophy – Concept, nature and types
week 4	Paper C:	SEM-I: Psychological Foundations of Education/ EDCPCORO2T
	·	Unit-4: Personality – Concept, Nature, Importance & Development &
		Importance
		SEM-I: Communication Skill/ EDCPAEC01M
		Unit-1: Non-verbal and oral communication
		Importance and purpose of communication, process of
		Communication, types & technique of communication, barriers of
		communication, Non-verbal communication, Body language, tips for
		improving non-verbal communication
		SEM-III: Educational Management/ EDCPCOR12T
		Unit-1: Concept, principles, functions & importance of Educational
		Management and Educational Administration, Management as a
		System, POSDCORB, PERT, SWOT analysis, Administration as a
		Bureaucracy, Human relations Approach to Administration
		SEM-III: Value & Peace education/ EDCPCOR13T
		Values – Concept & types
Week 4	Paper A:	SEM-I: Philosophical Foundations of Education/ EDCPCORO1T
to	Paper B: NONE	Unit – 2: Sankhya, Yoga, Vedanta Philosophy – with special
week 8	Paper C:	reference to Aims of Education, Methods of Teaching and acquiring
		valid knowledge
		SEM-I: Psychological Foundations of Education/ EDCPCORO2T
		Unit-4: Personality- Theories and their educational implications —
		Freud, Allport
		SEM-I: Communication Skill/ EDCPAEC01M
		Unit-1: Academic listening: listening to lecturer and presentation,
		tips for taking down points. \neg Reading Skills: purpose, process,
		methodologies, academic reading tips, Speaking Skills:
		pronunciation, communication provokes, expressing opinions and
		command over language, self-confidence
		SEM-III: Educational Management/ EDCPCOR12T
		Unit-2: Leadership in Educational Administration – Concept, Nature
		& types, Approaches to Leadership - Traits, Transformational,
		Transactional, value based, Cultural, Psychodynamic - Concept and
		their Characteristics, Models of Leadership - Blake & Mouton's
		Managerial grid, Fiedler's Contingency Model, Ideal Leadership in
		Educational Institution, development of Leadership in Education
		SEM-III: Value & Peace education/ EDCPCOR13T
Mod: 0	Danar A.	Value Education – Concept, Nature & Importance
Week 8	Paper A:	SEM-I: Philosophical Foundations of Education/ EDCPCORO1T
to	Paper B: NONE	
Week 12	Paper C:	

Unit – 2: Jainism, Buddhism & Islamic traditions – with special reference to Aims of Education, Methods of teaching and acquiring knowledge SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Personality- Max Wertheimer, Kurt Koffka SEM-I: Communication Skill/ EDCPAEC011M Unit-2: Element of effective writing: The sentence phrases and clauses, types of sentences, Main forms of written communication: summarising and elaboration as per requirement, Remedial English grammar and usage: Articles tenses, preposition, correction of errors in given sentences, error in the use of words, errors in punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) – Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values – Concept, Nature & Importance Week 13 Paper A: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management / EDCPCOR015
knowledge SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Personality- Max Wertheimer, Kurt Koffka SEM-I: Communication Skill/ EDCPAECO1M Unit-2: Element of effective writing: The sentence phrases and clauses, types of sentences, Main forms of written communication: summarising and elaboration as per requirement, Remedial English grammar and usage: Articles tenses, preposition, correction of errors in given sentences, error in the use of words, errors in punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) - Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values - Concept, Nature & Importance Week 13 Paper A: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Paper B: NONE Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-II: Educational Management/ EDCPCOR12T Unit-4: Changes in Management/ EDCPCOR12T
SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Personality- Max Wertheimer, Kurt Koffka SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Element of effective writing: The sentence phrases and clauses, types of sentences, Main forms of written communication: summarising and elaboration as per requirement, Remedial English grammar and usage: Articles tenses, preposition, correction of errors in given sentences, error in the use of words, errors in punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) - Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C. K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values - Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management/ EDCPCOR12T Unit-4: Changes in Management
Unit-4: Personality- Max Wertheimer, Kurt Koffka SEM-I: Communication Skill/ EDCPAECO1M Unit-2: Element of effective writing: The sentence phrases and clauses, types of sentences, Main forms of written communication: summarising and elaboration as per requirement, Remedial English grammar and usage: Articles tenses, preposition, correction of errors in given sentences, error in the use of words, errors in punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management/ EDCPCOR12T
SEM-I: Communication Skill/ EDCPAECO1M Unit-2: Element of effective writing: The sentence phrases and clauses, types of sentences, Main forms of written communication: summarising and elaboration as per requirement, Remedial English grammar and usage: Articles tenses, preposition, correction of errors in given sentences, error in the use of words, errors in punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
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punctuation SEM-III: Educational Management/ EDCPCOR12T Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
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Unit-3: Concept of quality and Quality in Education - Indian and International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Psychological Foundations of Education/ EDCPCOR01T Unit-2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
International Perspectives, Evolution of Quality - Inspection, Quality Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Control, Quality Assurance, Total Quality Management (TQM) — Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values — Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit—2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Concept & Nature, Quality Gurus- Walter Shewhart, Edward Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values – Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Deming, C.K Prahlad, Peter Drucker SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values – Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit— 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
SEM-III: Value & Peace education/ EDCPCOR13T Democratic & Universal Human Values – Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCOR01T Unit—2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCOR02T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Democratic & Universal Human Values – Concept, Nature & Importance Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCORO1T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCORO1T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Week 13 Paper A: Paper B: NONE Paper C: SEM-I: Philosophical Foundations of Education/ EDCPCORO1T Unit- 2: Comparison between Indian & Western Philosophy SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Paper B: NONE Paper C: **Description** **Description**
Paper B: NONE Paper C: SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Paper C: SEM-I: Psychological Foundations of Education/ EDCPCORO2T Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Unit-4: Measurement of Personality SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
SEM-I: Communication Skill/ EDCPAEC01M Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Unit-2: Preparing a CV SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
SEM-III: Educational Management/ EDCPCOR12T Unit-4: Changes in Management
Unit-4: Changes in Management
Unfreezing, Moving & Refreezing, Cost of Quality- Appraisal costs,
Failure Costs, Preventable Costs
SEM-III: Value & Peace education/ EDCPCOR13T
Human Values – Indian Context
Week 13 to week 14 Internal Exam
Week 15 Paper A: SEM-I:: Philosophical Foundations of Education/ EDCPCORO1T
to Paper B: NONE Unit— 2: Comparison between Indian & Western Philosophy
Week 17 Paper C: SEM-I: Psychological Foundations of Education/ EDCPCORO2T
Unit-4: Measurement of Personality
SEM-I: Communication Skill/ EDCPAEC01M
Unit-2: Presentation Skill: Preparing a power point presentation,
presenting a paper, group discussion, preparing for facing a job
interview
SEM-III: Educational Management/ EDCPCOR12T
Unit-4: Cost benefit & Cost-Effective Analysis (Concept only), Indian
& International Quality Assurance Agencies - NAAC, Quality Council
of India (QCI), International Network for quality Assurance Agency
in Higher Education (INQAAHE)
SEM-III: Value & Peace education/ EDCPCOR13T
Human Values – Indian Context
Week 18 Revision, Practise Revision

Teaching Plan for Even Semester, PG course

Department of Education

Session (2020-2021)

Class: M.A.

Semester II & IV (Under CBCS)

Name of the Teacher: Shoumyasree Sen

Subject: Education

Paper: Departmental: 7,16 & SEC (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered
	(Paper code to be mentioned)	(Paper code to be mentioned)
Week 1	Paper: Communication Skill/	SEM-II: Pedagogical Studies / EDCPCOR07T
to	EDCPSEC01P	Unit-1: Pedagogy – Meaning, Nature, & Importance, Pedagogical
week 4	Unit-1: Enhancement of Reading	Analysis - Concept & Stages, Critical Pedagogy – Meaning, Needs and
	Skill	its Implication in Teacher Education
		SEM-IV: Curriculum Studies/ EDCPCOR15T
		Unit 2: Curriculum Design – Concept, Nature & Importance, Traditional
		Models of Curriculum Design – Academic / Discipline Based Model,
		Competency Based Model, Contemporary Models of Curriculum Design
		 Social Activity Model (Social Reconstruction), Individual Needs &
		Interests Models, Outcome based Integrative Model
Week 4	Paper: Communication Skill/	SEM-II: Pedagogical Studies / EDCPCOR07T
to	EDCPSEC01P	Unit-1: Organising Teaching – Memory, Understanding, and Reflective
week 8	Unit-1: Enhancement of Reading	Level.
	Skill	Unit-2: Meaning & Nature of Andragogy and Importance of Andragogy
		in Education, Meaning, Principles, Competencies of Self- directed
		learning, Theory of Andragogy (Malcom Knowles), The Dynamic Model
		of Learner Autonomy
		SEM-IV: Curriculum Studies/ EDCPCOR15T
		Unit 2: Recent Model of Curriculum Design –Intervention Model, CIPP
		Model (Context, Input, Process, Product Model)
		Unit 3: Curriculum Evaluation - Concept, Nature & Importance,
		Curriculum Transaction – Role of Instructional System, Instructional Media, Instructional Techniques, Instructional Materials, Approaches to
		Curriculum Evaluation – Academic and Competency based Approaches
Week 8	Paper: Communication Skill/	SEM-II: Pedagogical Studies / EDCPCOR07T
to	EDCPSEC01P	Unit-3: Feedback Devices – Meaning, types, criteria, Meaning, nature &
Week 12	Unit-1: Enhancement of Reading	perspectives of assessment (Assessment for Learning and assessment of
	Skill	Learning), Guidance as a Feedback Devices – Assessment of Portfolios,
	Unit-2: Enhancement of Writing	Reflective Journal
	Skill	SEM-IV: Curriculum Studies/ EDCPCOR15T
		Unit 3: Models of Curriculum Evaluation – Tyler's Model, Stake's Model,
		Scriven's Model, Kilpatrick's Model Curriculum Evaluation
		Unit 4: Curriculum Change – Concept & Needs, Curriculum Change –
		Factors & Approaches
Week 13	Paper: Communication Skill/	SEM-II: Pedagogical Studies / EDCPCOR07T
	EDCPSEC01P	Unit-3: Field engagement using Rubrics
	Unit-2: Enhancement of Writing	SEM-IV: Curriculum Studies/ EDCPCOR15T
	Skill	Unit 4: Role of Students, Teachers and Educational Administrators in
		Curriculum Change and Improvement
Weel	k 13 to week 14	Internal Exam
Week 15	Paper: Communication Skill/	SEM-II: Pedagogical Studies / EDCPCOR07T
to	EDCPSEC01P	Unit-3: Assessment of teacher prepared ICT Resources
Week 17	Unit-2: Enhancement of Writing	SEM-IV: Curriculum Studies/ EDCPCOR15T
	Skill	Unit 4: Curriculum Research – Recent Trends
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester I, III & V (Under CBCS)

Name of the Teacher: Purnendu Acharya

Subject: Education

Paper: CC-1, CC-2, GE-1, CC-5, CC-6, CC-11, DSE-1, DSE-2, (Theory and Practical)

SL. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
week 4	Paper B: NIL	Unit 1: Concept and scope of education, concept of modern
WCCK 4	•	education w.r.t. Delor's Commission
	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
		Unit 1: Introduction to educational psychology, relation between
		education and psychology
		SEM I: Philosophical Foundation of Education/GE-I
		Unit 2: Forms of Education – Informal, Formal and Non-formal and
		Open Education
		Paper: Education in pre-independence India/ EDCACOR05T
		Unit 1: Salient features of Brahmanic, Buddhistic and Islamic
		education w.r.t: Aims of education
		Paper: Education in post- independence India/ EDCACOR06T
		Unit 1: University Education Commission (1948-49)
		Paper: Contemporary Issues/ EDCACOR07T
		Unit-1: Language problems
		SEM V: Guidance and Counselling /EDCACOR11T
		Unit-1: Guidance – meaning, definition, scope
		SEM V: Women Education/ EDCADSE01T
		Unit-1: Women Education—meaning, nature and scope
		SEM V: Teacher Education / EDCADSE02T
		Unit-3: Development of Teacher Education in pre independent
		India: Wood's Despatch to Wood-Abbot Report
Week 4	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NIL	Unit 1: Child centricism
week 8	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
		Unit 1: Structure and function of human brain, neuron, Synaptic
		transmission
		SEM I: Philosophical Foundation of Education/GE-I
		Unit 2: Aims of Education – Individualistic, Socialistic & Democratic
		view of Education
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 1: Salient features of Brahmanic, Buddhistic and Islamic
		education w.r.t: Curriculum and method of teaching
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 1: University Education Commission (1948-49)
		SEM III: Contemporary Issues / EDCACOR07T
		Unit-1: Language problems
		SEM V: Guidance and Counselling /EDCACOR11T
		Unit-1: Guidance –need and importance, types
		SEM V: Women Education / EDCADSE01T
		Unit-1: Women Education—meaning, nature and scope
		SEM V: Teacher Education / EDCADSE02T

		Unit-3: Development of Teacher Education in pre independent
		India: Wood's Despatch to Wood-Abbot Report
Week 8	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NIL	Unit 1: Concept of different forms of education – informal, formal,
Week 12	Paper C:	non-formal and open education, Functions of education –
	· special	individual development
		SEM I: Educational Psychology/ EDCACOR02T
		Unit 1: endocrinal glands
		SEM I: Philosophical Foundation of Education/GE-I
		Unit 3: Value-Definition, characteristics, types, Relation between
		values and education, importance of values in education
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 1: Nabadwip, Nalanda
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 1: University Education Commission (1948-49) b. Secondary
		Education Commission (1952-53)
		SEM III: Contemporary Issues / EDCACOR07T
		Unit-1: Language problems, Problems of technical and vocational
		education
		SEM V: Guidance and Counselling /EDCACOR11T
		Unit-1: Educational guidance -nature, purpose and functions
		SEM V: Women Education/ EDCADSE01T
		Unit-1: Necessities of women Education.
		SEM V: Teacher Education / EDCADSE02T
		Unit-3: Development of Teacher Education in post –independence
		period: Recommendations of various Commission and Committee
		for the development of Teacher Education
Week 13	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
	Paper B: NIL	Unit 1: Functions of education –social development
	Paper C:	SEM I: Educational Psychology/ EDCACOR02T
		Unit 1: sensation
		SEM I: Philosophical Foundation of Education/GE-I
		Unit 4: R. N. Tagore
		SEM III: Education in pre-independence India/ EDCACOR05T
		Unit 1: Agra
		SEM III: Education in post- independence India/ EDCACOR06T
		Unit 1: Secondary Education Commission (1952-53)
		SEM III: Contemporary Issues / EDCACOR07T
		Unit-1: Problems of technical and vocational education
		SEM V: Guidance and Counselling /EDCACOR11T
		Unit-1: vocational guidance -nature, purpose and functions
		SEM V: Women Education/ EDCADSE01T
		Unit-1: Necessities of women Education.
		SEM V: Teacher Education / EDCADSE02T
		Unit-3: Development of Teacher Education in post –independence
		period: Recommendations of various Commission and Committee
		for the development of Teacher Education
Week 13 to week 14		Internal Exam
Week 15	Paper A:	SEM I: Educational Philosophy/ EDCACOR01T
to	Paper B: NIL	Unit 1: Functions of education –social development,
Week 17	Paper C:	Human Resource Development
		SEM I: Educational Psychology/ EDCACOR02T
		Unit 1: perception
		SEM I: Philosophical Foundation of Education/GE-I
		Unit 4: R. N. Tagore, W. A. Froebel
		SEM III: Education in pre-independence India/ EDCACOR05T

	Unit-3: Development of Teacher Education in post –independence period: Recommendations of various Commission and Committee
	Unit-1: Necessities of women Education. SEM V: Teacher Education / EDCADSE02T
	SEM V: Women Education/ EDCADSE01T
	functions
	Unit-1: vocational and personal guidance -nature, purpose and
	SEM V: Guidance and Counselling /EDCACOR11T
	Unit-1: Problems of technical and vocational education
	SEM III: Contemporary Issues / EDCACOR07T
	Unit 1: Secondary Education Commission (1952-53)
	SEM III: Education in post- independence India/ EDCACOR06T
	Unit 1: Agra

Teaching Plan for Even Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester II, IV & VI (Under CBCS)

Name of the Teacher: Purnendu Acharya

Subject: Education

Paper: CC-3, CC-4, GE-2, CC-13, CC-14, DSE-4, DSE-6 (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1	Paper A:	SEM II: Educational Sociology/ EDCACOR03T
to	Paper B: NIL	Unit 4: Education for poverty eradication
week 4	Paper C:	SEM II: Pedagogy/EDCACOR04T
		Unit 1: Pedagogy – concept, scope
		SEM II: Psychological Foundation of Education /GE-2
		Unit 1: Relationship between Psychology and Education
		SEM VI: Curriculum Studies/ EDCACOR013T
		Unit 1: Meaning, nature, scope of curriculum
		SEM VI: Special Education / EDCACOR14T
		Unit 2: Development of special education in India
		SEM VI: Value Education/ EDCADSE04T
		Unit 4: Value Education - meaning, nature, approaches
		SEM VI: Environmental Education / EDCADSE06T
		Unit 1: Environmental Education- meaning, characteristics
Week 4	Paper A:	SEM II: Educational Sociology/ EDCACOR03T
to	Paper B: NIL	Unit 4: Inclusive education
week 8	Paper C:	SEM II: Pedagogy/EDCACOR04T
		Unit 1: relationship between learning and teaching
		SEM II: Psychological Foundation of Education /GE-2
		Unit 1: Educational Psychology- concept & nature
		SEM VI: Curriculum Studies/ EDCACOR013T
		Unit 1: Relationship among curriculum, syllabus, content
		SEM VI: Special Education / EDCACOR14T
		Unit 2: Development of special education in India
		SEM VI: Value Education/ EDCADSE04T

		Unit 4: Learning experiences in value education through imitation,
		indoctrination
		SEM VI: Environmental Education / EDCADSE06T
		Unit 1: Environmental Education - components and scope
Week 8	Paper A:	SEM II: Educational Sociology/ EDCACOR03T
to	Paper B: NIL	Unit 4: Inclusive education, Child rights and abuses
Week 12	Paper C:	SEM II: Pedagogy/ EDCACOR04T
VVCCK 12	Taper C.	Unit 1: Bases of pedagogy – philosophical, sociological
		SEM II: Psychological Foundation of Education /GE-2
		Unit 1: contribution of Educational Psychology
		Unit 4: Personality-concept, characteristics & types
		SEM VI: Curriculum Studies/ EDCACOR013T
		Unit 1: Types of Curricula – brief introduction
		SEM VI: Special Education / EDCACOR14T
		Unit 2: Organization and administration of special education in India
		SEM VI: Value Education/ EDCADSE04T
		•
		Unit 4: Learning experiences in value education through inculcation and internalization
		SEM VI: Environmental Education / EDCADSE06T Unit 1: Necessities to study Environmental Education.
Week 13	Danar A.	, ,
week 13	Paper A:	SEM II: Educational Sociology/ EDCACOR03T
	Paper B: NIL	Unit 4: Child rights and abuses
	Paper C:	SEM II: Pedagogy/ EDCACOR04T
		Unit 1: Bases of pedagogy – psychological
		SEM II: Psychological Foundation of Education /GE-2
		Unit 4: Personality-concept, characteristics & types
		SEM VI: Curriculum Studies/ EDCACOR013T
		Unit 1: Basic sources of curriculum – philosophical
		SEM VI: Special Education / EDCACOR14T Unit 2: Organization and administration of special education in India
		SEM VI: Value Education/ EDCADSE04T
		Unit 4: Role of parents, teachers, mass-media in inculcating values
		SEM VI: Environmental Education / EDCADSE06T
		Unit 1: Necessities to study Environmental Education.
Weel	 k 13 to week 14	Internal Exam
Week 15	<u> </u>	
	Paper A: Paper B: NIL	SEM II: Educational Sociology/ EDCACOR03T
to Week 17	Paper C:	Unit 4: Child rights and abuses SEM II: Pedagogy/ EDCACOR04T
Week 17	raper C.	Unit 1: Bases of pedagogy –Pedagogy vs Andragogy
		SEM II: Psychological Foundation of Education /GE-2
		Unit 4: Psychoanalytic theory by Freud
		, , ,
		SEM VI: Curriculum Studies/ EDCACOR013T
		Unit 1: Basic sources of curriculum – socio-cultural, psychological
		SEM VI: Special Education / EDCACOR14T
		Unit 2: Organization and administration of special education in India
		SEM VI: Value Education/ EDCADSE04T
		Unit 4: Value Education - Role of parents, teachers, mass-media in
		inculcating values
		SEM VI: Environmental Education / EDCADSE06T
\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5 5	Unit 1: Necessities to study Environmental Education.
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, PG course

Department of Education

Session (2020-2021)

Class: M.A.

Semester I & III (Under CBCS)

Name of the Teacher: Purnendu Acharya

Subject: Education Paper allotment: None

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Even Semester, PG course

Department of Education

Session (2020-2021)

Class: M.A.

Semester II & IV (Under CBCS)

Name of the Teacher: Purnendu Acharya

Subject: Education

Paper: Departmental: 7,16 & SEC (Theory and Practical)

SL. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Paper A:	SEM-II: Sociological Foundations of Education/ EDCPCOR06T
to	Paper B: Nil	Unit-4: Discriminatory issues-Caste & Gender
week 4	Paper C:	SEM-II: Pedagogical Studies / EDCPCOR07T
		Unit-4: Interaction analysis – Flanders Interaction Analysis
		SEM-IV: Contemporary Issues and Trends in Education /EDCPCOR08T
		Unit-4: NCTE and Teachers Education
		SEM-IV: Psychology of Learner & Learning Process / EDCPCOR10T
		Unit-4: Social Learning - Concept, Nature & Scope
Week 4	Paper A:	SEM-II: Sociological Foundations of Education/ EDCPCOR06T
to	Paper B: Nil	Unit-4: Drug Abuse & Drug Addiction
week 8	Paper C:	SEM-II: Pedagogical Studies / EDCPCOR07T
		Unit-4: Galloway's System of Interaction Analysis
		SEM-IV: Contemporary Issues and Trends in Education /EDCPCOR08T
		Unit-4: AICTE and Technical Education
		SEM-IV: Psychology of Learner & Learning Process / EDCPCOR10T
		Unit-4: Factors of Social Learning.
Week 8	Paper A:	SEM-II: Sociological Foundations of Education/ EDCPCOR06T
to	Paper B: Nil	Unit-4: Child Labour & Child Abuse
Week 12	Paper C:	SEM-II: Pedagogical Studies / EDCPCOR07T
		Unit-4: Criteria for Teacher Evaluation – Product, Process and Presage
		criteria
		SEM-IV: Contemporary Issues and Trends in Education /EDCPCOR08T
		Unit-4: MCI and Medical Education
		SEM-IV: Psychology of Learner & Learning Process / EDCPCOR10T
		Unit-4: Social Learning, Social Cognition & Social Competence.
Week 13	Paper A:	SEM-II: Sociological Foundations of Education/ EDCPCOR06T
	Paper B: Nil	Unit-4: Discriminatory issues-Caste & Gender (ii) Drug Abuse & Drug
	Paper C:	Addiction. (iii) Child Labour & Child Abuse. (iv) Terrorism
		SEM-II: Pedagogical Studies / EDCPCOR07T
		Unit-4: Rubrics for Self and Peer Evaluation – Concept and Steps of
		construction.
		SEM-IV: Contemporary Issues and Trends in Education /EDCPCOR08T

Weel	k 13 to week 14	Unit-4: RCI and Special Education. SEM-IV: Psychology of Learner & Learning Process / EDCPCOR10T Unit-4: Role of Social Learning in Understanding Social Relationship & Socialization Internal Exam
Week 15 to Week 17	Paper A: Paper B: Nil Paper C:	SEM-II: Sociological Foundations of Education/ EDCPCOR06T Unit-4: Terrorism SEM-II: Pedagogical Studies / EDCPCOR07T Unit-4: Rubrics for Self and Peer Evaluation — Concept and Steps of construction. SEM-IV: Contemporary Issues and Trends in Education /EDCPCOR08T Unit-4: RCI and Special Education. SEM-IV: Psychology of Learner & Learning Process / EDCPCOR10T Unit-4: Role of Social Learning in Understanding Social Relationship & Socialization
Week 18	Revision, Practise	Revision

Teaching Plan for Even Semester, UG Course Department of Education Session (January 2021-June 2021)

Class: B.A. (CBCS)

Semester: 2, 4, 6

Name of the Teacher: Dr. Jhuma Bandyopadhyay

Subject: Education

Paper: EDCACOR04T, EDCGCOR08T, EDCADSE04T, EDCGCOR02T (Theory & Practical)

SI. No.	Practical Syllabus to be Covered (Paper Code to be mentioned)	Theory Syllabus to be Covered (Paper Code to be mentioned)
		SEM-2 EDCACOR04T: Teaching
Week 1 to		SEM-2 EDCGCOR02T: Introduction to Psychology
Week 4		SEM-4 EDCACOR08T: Leadership & Management
		SEM-6 EDCADSE04T: Introduction to Value
		SEM-2 EDCACOR04T: Teaching as a Process
Week 5 to		SEM -2 EDCGCOR02T: Psychology of Human
Week 8		Development & Education
		SEM-4 EDCACOR08T: Leadership & Management
		SEM 6 EDCADSE04T: Values from Different
		Perspectives
		SEM-2 EDCACOR04T: Levels of Teaching
Week 9 to		SEM-2 EDCGCOR02T: Psychology of Human
Week 12		Development & Education
		SEM-4 EDCACOR08T: Agencies of Educational
		Management
		SEM-6 EDCADSE04T: Value
		SEM-2 EDCACOR04T: Levels of Teaching
Week 13		SEM-2 EDCGCOR02T: Attention of Memory

		SEM-4 EDCACOR08T: Agencies of Educational	
		Management	
		SEM-6 EDCADSE04T: Value Crisis	
Week 14 Internal Exam			
Week 15 to Week 17		SEM-2 EDCACOR04T: Levels of Teaching SEM-2 EDCGCOR02T: Attention of Memory SEM-4 EDCACOR08T: Agencies of Educational Management SEM-6 EDCADSE04T: Value Crisis	
Week 18	Revision, Practice	Revision	

Teaching Plan for Even Semester,PG course Department of Education

Session (January 2021-June 2021)

Class: M.A. (CBCS) Semester: 2, 4

Name of the Teacher: Dr. Jhuma Bandyopadhyay

Subject: Education

Paper: EDCPCOR10T, EDCCOR08T, EDCPCOR17P, EDCPCOR18P, EDCPCOR15T(Theory & Practical)

SI. No.	Practical works to be covered (PaperCodetobementioned)	Theorytopicstobecovered (Paper Code to be mentioned)
Week 1 to Week 4	SEM-4 EDCPCOR17P: Introduction to Review of Related Studies EDCPCOR18P: Topic Selection, Research Proposal, Writing	SEM-2 EDCPCOR10T: Theories of Learning SEM-4 EDCPCOR15T: Concept of Curriculum
Week 5 to Week 8	SEM-4 EDCPCOR17P: Introduction to Review of Related Studies EDCPCOR18P: Data Collection, Data Analysis	SEM-2 EDCPCOR10T: Learning & Motivation
Week 9 to Week 12	SEM-4 EDCPCOR17P: Develop the Appraisal Report EDCPCOR18P: Data Collection, Data Analysis	SEM-2 EDCPCOR10T: Transfer of Learning
Week 13	SEM-4 EDCPCOR17P: Find the Knowledge gap	SEM-2 EDCPCOR08T: Issues in Education

	EDCPCOR18P: Project Report Writing	
	Week 14 INT	ERNAL EXAM
Week 15 to Week 17	SEM-4 EDCPCOR17P: Report Writing EDCPCOR18P: Project Report Writing	SEM-2 EDCPCOR08T: Issues in Education

Teaching Plan for Odd Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester I, III & V (Under CBCS)

Name of the Teacher: Priyanka Datta

Subject: Education

Paper: CC-1, CC-2, CC-5, CC- 6, SEC-I, CC-12 (T & P), DSE-2, (Theory and Practical)

SL. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1 to	SEM V: BASIC ICT/ EDCACOR12P	SEM I: Educational Philosophy/ EDCACOR01T
week 4		Unit 3: Values as enshrined in the Indian constitution – democracy
	Unit 1: Opening and shutting	SEM I: Educational Psychology/ EDCACOR02T
	down of computer: Outlook of	Unit 3: Intelligence – concept and scope
	Desktop & Laptop - Different	SEM III: Education in pre-independence India/ EDCACOR05T
	parts of computer - Different	Unit 2: Charter Act of 181, Macaulay Minute
	Cables to join the ports - Power	SEM III: Education in post- independence India/ EDCACOR06T
	switch of UPS, CPU, & Monitor –	Unit 3: Problems of equalization of educational opportunities
	Steps to opening & shutting down	SEM III: Skill development for social awareness /SEC-1
	the Computer	Unit-1: Meaning and nature of Social Awareness, Social
	Basic introduction of computer –	Backwardness and Social Advancement, Need for development of
	Classification – Different	Social Awareness
	components – Input devices –	SEM V: Educational Technology /EDCACOR12T
	Output devices – Storage devices	Unit-3: Mass instructional techniques – seminar, symposium,
	Bit & Byte Concept – Data	workshop, panel discussion
	Transfer devices (Bluetooth & Wi-	SEM V: Teacher Education/ EDCADSE02T
	Fi).	Unit-4: Trends in methodology of teaching
Week 4	SEM V: BASIC ICT/ EDCACOR12P	SEM I: Educational Philosophy/ EDCACOR01T
to	Unit 2: Typing words: Creating	Unit 3: Values as enshrined in the Indian constitution – secularism
week 8	new file – Typing – Opening &	SEM I: Educational Psychology/ EDCACOR02T
	Saving the file – Copy, Cut &	Unit 3: Theories of intelligence – Guilford, Gardener
	Paste, Font: Names – Sizes –	SEM III: Education in pre-independence India/ EDCACOR05T
	Styles (Bold, Italic & Underline),	Unit 2: Bengal renaissance – nature, characteristics
	Paragraph: Align Text (Left, Right,	SEM III: Education in post- independence India/ EDCACOR06T
	Centre, Justifying) – Line Spacing	Unit 3: Problems of equalization of educational opportunities
	 Bullets formation – Numbering, 	SEM III: Skill development for social awareness /SEC-1
	Page Set Up: Margins –	Unit-1: Types of social awareness programme.
	Orientation – Sizes – Columns,	Unit-2: Planning and execution of a Social Awareness Programme
	Insert: Tables (Drawing, Erasing,	SEM V: Educational Technology /EDCACOR12T
	& Formatting) – Page Numbering	Unit-3: Personalized instructional techniques – programme
	 Adding Pictures & Symbols, 	learning (linear), microteaching

	Printing: Print Set Up – Landscape	SEM V: Teacher Education/ EDCADSE02T
	& Portrait – Page Range –	Unit-4: Teaching models: Advance Organizer Model
	Zooming – Copies	g g
Week 8	SEM V: BASIC ICT/ EDCACOR12P	SEM I: Educational Philosophy/ EDCACOR01T
to	Unit 3: Introduction: Basic ideas	Unit 3: Values as enshrined in the Indian constitution –equality
Week 12	of Data Sheets & Cells – Data	justice
	Typing – Opening & Saving the	SEM I: Educational Psychology/ EDCACOR02T
	file – Designing, Data Editing: Sort	Unit 3: Theories of intelligence –Sternberg, Creativity – concept
	– Filter – Insert – Functions (Sum,	and scope
	Average, Count, Maximum,	SEM III: Education in pre-independence India/ EDCACOR05T
	Minimum, Mean, Standard	Unit 2: Bengal renaissance –Contributions of Rammohan and
	Deviation, & Correlation), Charts	Derozio
	&Graphs (2D & 3D Modes):	SEM III: Education in post- independence India/ EDCACOR06T
	Column – Line – Pie – Bar – Area	Unit 3: Problems of equalization of educational opportunities,
	- Scatter	National Curricular Framework, 2009
	Scatter	SEM III: Skill development for social awareness /SEC-1
		Unit 2: Relationship among I.Q., E.Q. and social awareness.
		SEM V: Educational Technology /EDCACOR12T
		Unit-3: Mass instructional techniques –microteaching, mastery
		learning
		SEM V: Teacher Education/ EDCADSE02T
		Unit-4: Teaching models: Concept Attainment
Week 13	SEM V: BASIC ICT/ EDCACOR12P	SEM I: Educational Philosophy/ EDCACOR01T
Week 13	Unit 4: Play Slide Show (at least 5	Unit 3: Educational provisions in the Indian constitution – Articles
	Slide for maximum 5 minutes	·
		15,17,28
	presentation) from any	SEM I: Educational Psychology/ EDCACOR02T
	Survey/Case study/Experiment or	Unit 3: Characteristics of creative person
	any relevant topic from syllabus,	SEM III: Education in pre-independence India/ EDCACOR05T
	Interaction (at least 2 minutes) on	Unit 2: Bengal renaissance – Contributions of Vidyasagar
	the above topic.	SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: National Curricular Framework, 2009
		SEM III: Skill development for social awareness /SEC-1
		Unit-3: Organization and Participation in a Social Awareness
		Programme conducted by NSS (HIV/AIDS Awareness Programme)
		SEM V: Educational Technology /EDCACOR12T
		Unit-3: Computer assisted instruction (CAI)
		SEM V: Teacher Education/ EDCADSE02T
		Unit-4: Micro teaching
	13 to week 14	Internal Exam
Week 15	SEM V: BASIC ICT/ EDCACOR12P	SEM I: Educational Philosophy/ EDCACOR01T
to	Unit 4: The report of PPT	Unit 3: Educational provisions in the Indian constitution – Articles
Week 17	presentation (within 500 words)	30, 45, 46,350
	should be based on following	SEM I: Educational Psychology/ EDCACOR02T
	steps – 1) Title, 2) Objectives, 3)	Unit 3: Relationship between intelligence, creativity and education
	Date of presentation, 4)	SEM III: Education in pre-independence India/ EDCACOR05T
	Description of study, 5)	Unit 2: Bengal renaissance – Contributions of Vidyasagar
	Interpretation, 6) Comments	SEM III: Education in post- independence India/ EDCACOR06T
		Unit 3: National Curricular Framework, 2009
		SEM III: Skill development for social awareness /SEC-1
		Unit-3: Organization and Participation in a Social Awareness
		Programme conducted by NSS (HIV/AIDS Awareness Programme)
		SEM V: Educational Technology /EDCACOR12T
		Unit-3: Computer assisted instruction (CAI)
		SEM V: Teacher Education/ EDCADSE02T
		Unit-4: Micro teaching, Simulated teaching
Week 18	Revision, Practise	Revision
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Teaching Plan for Even Semester, UG course

Department of Education

Session (2020-2021)

Class: B.A.

Semester II, IV & VI (Under CBCS)

Name of the Teacher: Priyanka Datta

Subject: Education

Paper: CC-3, SEC-II, CC-10 (T & P), CC-14 (Theory and Practical)

Week 1 to	(Paper code to be mentioned) SEM IV: Statistics in Education	
to	SEM IV: Statistics in Education	
		SEM II: Educational Sociology/ EDCACOR03T
	/ EDCACOR10P	Unit 1: Educational sociology – concept, scope, Relationship between
week 4	Unit 1: Introduction to Data:	education and sociology, Education as a social process – social system,
	Definition, types, uses,	socialization, Education as a social process – social groups (primary,
	Collection of Data: To collect	secondary, tertiary) social mobility
	relevant data of two set of	SEM IV: Development of observational skills / SEC II
	Achievement Test from	Unit 1: Meaning and nature of Social Awareness
	respective 14 colleges or	SEM IV: Statistics in Education/EDCACOR10T
	neighbourhood institutions	Unit 1: Statistics – concept, scope, uses of statistics in psychology and
	(sample size 50).	education, Organization and tabulation of data, Graphical representation of
	,	data – bar graph, frequency polygon, histogram, pie chart, ogive – drawing,
		uses
		SEM VI: Special Education / EDCACOR14T
		Unit 1: Special education – concept, nature, objectives and characteristics
		Inclusive education – concept, types. Is inclusion a viable alternative?
Week 4	SEM IV: Statistics in Education	SEM II: Educational Sociology/ EDCACOR03T
to	/ EDCACOR10P	Unit 2: Culture – concept, interrelationship between education and culture,
week 8	Unit 2: Data Analyses by	importance of folk culture in education, The concept of 'Unity in Diversity',
Week 6	manual- Determination of	cultural lag, cultural conflict, acculturation
	Central Tendency & Variability	SEM IV: Development of observational skills / SEC II
	(Range, SD, QD), Graphical	Unit 1: Social Backwardness
	Representation of Data:	SEM IV: Statistics in Education/EDCACOR10T
	Frequency Polygon, Ogive	Unit 2: Measures of central tendency – concept, properties, uses,
	rrequeries rongon, ogive	calculation, Measures of variability – concept, types (concept), uses,
		calculation of SD
		SEM VI: Paper: Special Education / EDCACOR14T
		Unit 3: Development of special education in India, Organization and
		administration of special education in India
Week 8	SEM IV: Statistics in Education	SEM II: Educational Sociology/ EDCACOR03T
to	/ EDCACOR10P	Unit 2: National Integration, International Understanding
Week 12	Unit 2: Data Analyses by any	Unit 3: Social development in India – Sanskritization, Modernisation
WCCK 12	excel/ software - Determination	SEM IV: Development of observational skills / SEC II
	of Central Tendency &	Unit 1: Social Advancement
	Variability (Range, SD, QD),	SEM IV: Statistics in Education/EDCACOR10T
	Graphical Representation of	Unit 2: Calculation of QD, variance, Normal Probability Curve – concept,
	Data: Frequency Polygon,	characteristics, uses; skewness and kurtosis
	Ogive, Comparison between	SEM VI: Special Education / EDCACOR14T
	two sets of data: Correlation	Unit 4: Visual impairment - definition, characteristics, classification, causes,
	(only software calculation) –	prevention and remedial measures

	Rank difference and product	
	moment	
Week 13	SEM IV: Statistics in Education	SEM II: Educational Sociology/ EDCACOR03T
Week 13		
	/ EDCACOR10P	Unit 3: Globalisation, Education for sustainable development – concept,
	Unit 2: Report writing of	need
	statistical practical	SEM IV: Development of observational skills / SEC II
		Unit 1: Need for development of Social Awareness
		SEM IV: Statistics in Education/EDCACOR10T
		Unit 3: PP, PR – concept, calculation, uses
		SEM VI: Special Education / EDCACOR14T
		Unit 4: Auditory impairment - definition, characteristics, classification
Weel	k 13 to week 14	Internal Exam
Week 15	SEM IV: Statistics in Education	SEM II: Educational Sociology/ EDCACOR03T
to	/ EDCACOR10P	Unit 3: Report of the Brundtland Commission
Week 17	Unit 2: Report writing of	SEM IV: Development of observational skills / SEC II
	statistical practical	Unit 1: Types of social awareness programme
		SEM IV: Statistics in Education/EDCACOR10T
		Unit 3: Correlation – concept, types, significance – rank difference, product
		moment
		SEM VI: Special Education / EDCACOR14T
		Unit 4: Auditory impairment - causes, prevention and remedial measures
		Mental retardation- definition, characteristics, classification, causes,
		prevention and remedial measures
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, PG Course Department of Education Session (July2020-December2020)

Class: M.A. (CBCS)

Semester: 1, 3

Name of the Teacher: Dr. Priyanka Dutta

Subject: Education

Paper: EDCPCOR01T, EDCPCOR02T, EDCPCOR11T, EDCPCOR13T, EDCPCOR05P(Theory & Practical)

Sl. No.	Practical Syllabus to be Covered (Paper Code to be mentioned)	Theory Syllabus to be Covered (Paper Code to be mentioned)
Week 1 to Week 4	EDCPCOR05P: Evaluation of listing and Speaking Skill	EDCPCOR01T : Great Educators EDCPCOR11T : General Idea of Educational Technology
Week 5 to Week 8	EDCPCOR05P: Evaluation of listing and Speaking Skill	EDCPCOR02T: Growth and Development EDCPCOR11T: System Approach

Week 9 to		EDCPCOR02T : Intelligence and Creativity		
Week 12	EDCPCOR05P : Evaluation	EDCPCOR11T : Emerging Trends in E – Learning		
	of listing and Speaking Skill			
Week 13	EDCPCOR05P : Evaluation	EDCPCOR02T : Personality		
	of listing and Speaking Skill	EDCPCOR11T : Use of ICT		
	Week 14 Internal Exam			
Week 15	EDCPCOR05P : Evaluation	EDCPCOR02T : Personality		
to Week	of listing and Speaking Skill	EDCPCOR13T : Nature and Concept of Value		
18				

Teaching Plan for Even Semester, PG course Department of Education

Session(January 2021-June 2021)

Class: M.A. (CBCS) Semester: 2, 4

Name of the Teacher: Dr. Priyanka Dutta

Subject: Education

Paper: EDCPCOR08T, EDCPCOR16T, EDCPCOR09P (Theory & Practical)

Sl. No.	Practical works to be covered (PaperCodetobementioned)	Theorytopicstobecovered(PaperCodetobe mentioned)
Week 1 to Week 4	EDCPCOR09P : M.S – Word	EDCPCOR08T – Trends in Education EDCPCOR16T – Concept and Evaluation
Week 5 to Week 8	EDCPCOR09P : M.S – Excel	EDCPCOR08T – Trends in Education EDCPCOR16T – Types of Diverse learners
Week 9 to Week 12	EDCPCOR09P : P.P.T	EDCPCOR16T : Planning and Management
Week 13	EDCPCOR09P : P.P.T	EDCPCOR16T : Planning and Management
	Week 14 IN	TERNAL EXAM
Week 15 to Week 18	Revision	EDCPCOR16T : Barriers and facilities in Inclusive Education

Teaching Plan for Odd Semester, UG course

Department of Education

Session (July 2020-December 2020)

NameoftheTeacher: Shikha Roy

Class:B.A

Semester 1,3,5 **Subject: Education**

	C1, CC2,CC7 T,P,EDCPCORO1, EDCP	PCORO2T, EDCPCORO3T, EDCPCORO4T (TheoryandPractical)
S.No	Practical works to be covered	Theorytopicstobecovered(Papercodetobe mentioned)
	(Papercodetobementioned)	
Week1 toweek4	Paper: EDCACOR07P/Core07P: Field Tour and Report Writing	Paper: EDCACOR01T / Core 01T: Educational Philosophy Unit3: National values and role of education Paper: EDCACOR02T / Core 02T: Educational Psychology Unit 2: Psychology of human development and education EDCACOR07T/Core 07T: Contemporary issues Unit 1 Traditional issues Departmental: 1 / EDCPCOR01T Philosophical Foundations of Education Unit- 3: Western Schools of Philosophy Departmental: 2 / EDCPCOR02T Psychological Foundations of Education Unit-2: Growth & Development Departmental: 3 / EDCPCOR03T Methodology of Educational Research Unit-1: Basic Concept on Educational Research
		Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Statistics in Educational Research
Week4 to week8		Paper: EDCACOR01T / Core 01T: Educational Philosophy Unit3: National values and role of education Paper: EDCACOR02T /Core 02T: Educational Psychology Unit 2: Personality EDCACOR07T/Core 07T: Contemporary issues Unit 2 Social issues Departmental: 1 / EDCPCOR01T Philosophical Foundations of Education Unit- 3: Western Schools of Philosophy Departmental: 2 / EDCPCOR02T Psychological Foundations of Education Unit-2: Growth & Development Departmental: 3 / EDCPCOR03T Methodology of Educational Research Unit-1: Research and Educational Research, Scientific Method Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Hypothesis
Week8 to Week12		Paper: EDCACOR01T / Core 01T: Educational Philosophy Unit3: Values as enshrined in the Indian constitution Paper: EDCACOR02T / Core 02T: Educational Psychology Unit 2: Cognitive development EDCACOR07T/Core 07T: Contemporary issues Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Naturalism & Realism, Pragmatism,. Unit- 4: Contributions of Educational Thinkers Departmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Vygotsky & Erickson

		Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Qualitative, Quantitative ResearchDepartmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Confidence Level & Significance Testing,
Week13	Paper: SEC I/ EDCSSEC01M: Skill development for social awareness	Paper: EDCACOR01T / Core 01T: Educational Philosophy Unit 3: Educational provisions in the Indian constitution Paper: EDCACOR02T / Core 02T: Educational Psychology Unit 2: Moral development EDCACOR07T/Core 07T: Contemporary issues Unit 3 Educational issues Departmental: 1 / EDCPCOR01T Philosophical Foundations of Education Unit- 3: Logical analysis, Positivism and Positive Relativism. Unit- 4: R.N. Tagore & M. K. GandhiDepartmental: 2 / EDCPCOR02T Psychological Foundations of Education Unit-2: Holistic Theory of development [Steiner]Departmental: 3 / EDCPCOR03T Methodology of Educational Research Unit-1: Fundamental, Applied & Action Research, Historical, Descriptive, Experimental, Departmental: 4 / EDCPCOR04T Statistics in Education Unit-1: Type-I and Type-II Errors, One tailed & Two Tailed Tests.
Week13	toweek14	InternalExam
Week15 to 17	Paper: EDCACOR07P/Core07P: Field Tour and Report Writing Paper: SEC I/ EDCSSEC01M: Skill development for social awareness	Paper: EDCACOR01T / Core 01T: Educational Philosophy Unit4: Contributions of great educators on philosophy of education Paper: EDCACOR02T /Core 02T: Educational Psychology Unit 2: Psycho-social development EDCACOR07T/Core 07T: Contemporary issues Unit 3 Educational issues Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Positive Relativism. Unit- 4: M. K. GandhiDepartmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Holistic Theory of development [Steiner]Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Descriptive, Experimental Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: One tailed & Two Tailed Tests.
Week18	Revision, Practise	Revision

Teaching Plan for Odd Semester, PG course

Department of Education

Session (July 2020-December 2020)

Name of the Teacher: Shikha Roy

Class: M.A

Semester:1,3 Subject: Education

Paper: EDCPCORO1T, EDCPCORO2T, EDCPCORO3T, EDCPCORO4T, EDCPCOR11T, EDCPCOR12T,

EDCPCOR13T, DSE01T (Theory and Practical)

S.No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week1 toweek4		Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Western Schools of Philosophy
		Departmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Growth & Development
		Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Basic Concept on Educational Research
		Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Statistics in Educational Research
		Departmental-11 Educational Technology
		Unit-1: General Ideas on Educational Technology
		Departmental-12 Educational Management
		Unit-2: Leadership in Education
		Departmental-13 Value & Peace Education
		Unit - 1: General ideas on Value & Peace Education
		Departmental-14/DSE01T-Guidance & Counselling
		Unit-1: Guidance
Week4 to week8		Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Western Schools of Philosophy
		Departmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Growth & Development
		Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Research and Educational Research, Scientific Method Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Hypothesis
		Unit-1: General Ideas on Educational Technology
		Departmental-12 Educational Management
		Unit-2: Leadership in Education
		Departmental-13 Value & Peace Education
		Unit - 1: General ideas on Value & Peace Education
		Departmental-14/DSE01T-Guidance & Counselling
		Unit-1: Guidance
Week8 to Week12		Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Naturalism & Realism, Pragmatism,. Unit- 4: Contributions of Educational Thinkers Departmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Vygotsky & Erickson
		Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Qualitative, Quantitative Research Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Confidence Level & Significance Testing,

	Unit-1: General Ideas on Educational Technology
	Departmental-12 Educational Management
	Unit-2: Leadership in Education
	Departmental-13 Value & Peace Education
	Unit - 1: General ideas on Value & Peace Education
	Departmental-14/DSE01T-Guidance & Counselling
	Unit-1: Guidance
Week13	Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Logical analysis, Positivism and Positive Relativism. Unit- 4: R.N. Tagore & M. K. Gandhi Departmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Holistic Theory of development [Steiner]Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Fundamental, Applied & Action Research, Historical, Descriptive, Experimental,
	Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: Type-I and Type-II Errors, One tailed & Two Tailed Tests.
	Unit-1: General Ideas on Educational Technology
	Departmental-12 Educational Management
	Unit-2: Leadership in Education
	Departmental-13 Value & Peace Education
	Unit - 1: General ideas on Value & Peace Education
	Departmental-14/DSE01T-Guidance & Counselling
	Unit-1: Guidance
Week13toweek14	InternalExam
Week15 to 17	Departmental: 1 / EDCPCORO1T Philosophical Foundations of Education Unit- 3: Positive Relativism. Unit- 4: M. K. GandhiDepartmental: 2 / EDCPCORO2T Psychological Foundations of Education Unit-2: Holistic Theory of development [Steiner]Departmental: 3 / EDCPCORO3T Methodology of Educational Research Unit-1: Descriptive, Experimental Departmental: 4 / EDCPCORO4T Statistics in Education Unit-1: One tailed & Two Tailed Tests. Unit-1: General Ideas on Educational Technology
	Departmental-12 Educational Management
	Unit-2: Leadership in Education
	Departmental-13 Value & Peace Education
	Unit - 1: General ideas on Value & Peace Education
	Departmental-14/DSE01T-Guidance & Counselling

Unit-1: Guidance

Week18	Revision, Practise	Revision

Teaching Plan for even Semester, UG course

Department of Education

Session (January 2021-June 2021)

NameoftheTeacher: Shikha Roy

Class:B.A,

Semester 2,4,6 **Subject: Education**

	CC3, CC4, GE2, CC9, SECII, (Theoryan	idPractical)
S.No	Practical works to be covered (Papercodetobementioned)	Theorytopicstobecovered(Papercodetobe mentioned)
Week1 toweek4	Paper: SEC II (EDCSSEC02M) Development of observational skills	Paper: EDCACOR03T / Core 03T: Educational SociologyUnit 4: Social issues and education
	SKIIIS	Paper: EDCACOR04T / Core 04
		Unit 3: Pedagogy of teaching – learning
		Paper: DSC 1B (EDCGCOR01T) / GE 2(EDCHGE02T) Psychological Foundation of Education
		Unit 2: Psychology of Human Development and Education
		EDCACOR09T/Core 09T: Basics of Educational Research and Evaluation
		Unit1: Preliminary concepts on research methodology
Week4 to	Paper: SEC II (EDCSSEC02M)	Paper: EDCACOR03T / Core 03T: Educational Sociology
_	Development of observational skills	Unit 4: Education for poverty eradication
		Paper: EDCACOR04T / Core 04:
		Unit 3: Teaching – learning of 3 R's
		Paper :DSC 1B (EDCGCOR01T) / GE 2(EDCHGE02T) Psychological
		Foundation of Education
		Unit 2:. Concept of Physical, development and its significance in Education
		EDCACOR09T/Core 09T: Basics of Educational Research and Evaluation
		unit 1: Research related terminologies
Week8 to	Paper: SEC II (EDCSSEC02M)	Pape: EDCACOR03T / Core 03T: Educational Sociology
Week12	Development of observational skills	Unit 4: Child rights and abuses
	SKIIIS	Paper: EDCACOR04T / Core 04
		Unit 3: Teaching – learning of verbal conditioning
		Paper: DSC 1B (EDCGCOR01T) / GE 2(EDCHGE02T) Psychological
		Foundation of Education
		Unit 2: Moral development and its significance in Education
		EDCACOR09T/Core 09T: Basics of Educational Research and Evaluation
		Unit 2: Sampling and hypothesis

Week13	Paper: SEC II (EDCSSEC02M)	Paper: EDCACOR03T / Core 03T: Educational Sociology
	Development of observational skills	Unit 4:. Child rights and abuses
		Paper: EDCACOR04T / Core 04:
		Unit 3:. Teaching – learning of psychomotor skill
		paper:DSC 1B (EDCGCOR01T) / GE 2(EDCHGE02T)
		Psychological Foundation of Education
		Unit 2: Moral development and its significance in Education
		EDCACOR09T/Core 09T: Basics of Educational Research and
		Evaluation
		Unit 3: Evaluation and Measurement
Week1	3toweek14	InternalExam
Week15	Paper: SEC II (EDCSSEC02M)	Paper: EDCACOR03T / Core 03T: Educational Sociology
to 17	Development of observational skills	Unit 4: Child rights and abuses
		Paper: EDCACOR04T / Core 04
		Unit 3: Teaching – learning of psychomotor skill paper: DSC 1B
		(EDCGCOR01T) / GE 2(EDCHGE02T) Psychological Foundation of
		Education Unit 2:
		Cognitive, Moral development and its significance in Education
		EDCACOR09T/Core 09T: Basics of Educational Research and Evaluation
		Unit 4: Standardization of a test
Week18	Revision,Practise	Revision

Teaching Plan for even Semester, PG course

Department of Education

Session (January 2021-June 2021)

Name of the Teacher: Shikha Roy

Class: M.A

Semester: 2,4 Subject: Education

Paper: EDCPCORO6T, EDCPCORO7T, EDCPCORO8T, EDCPCORO10T, EDCPCOR15T, EDCPCOR16T, EDCPCOR17P,

EDCPCOR18P

(Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Departmental-19 Practical	Departmental-6 Sociological Foundations of Education Unit – 4: Education and Social Problems
	(Review of Related Literature on a given topic)	Discriminatory issues
	EDCPCOR17P	Departmental-7 Pedagogical Studies
	Departmental-20	Unit- 1: Pedagogic
	6 7 L	al Analysis Pedagogy – Meaning, Nature, & Importance.
	Dissertation/Project EDCPCOR18P	Departmental-8 Contemporary Issues and Trends in Education
		Unit-1: Education and Reservation

		<u> </u>
		Reservation - Concept, nature and needs.
		Departmental-10 Psychology of Learner & Learning Process
		Unit-3: Transfer of Learning
		Transfer of Learning - Concept, Nature & Educational Importance
		Departmental-16 Curriculum Studies
		Unit - 1: Concept of Curriculum
		Departmental-17 Education of Children with Diverse Needs
		Unit - 2: Types of Diverse Learners
		Departmental-18
		DSE-Teacher Education
		Unit - 2: In-service Teacher Education
	Departmental-19	Departmental-6 Sociological Foundations of Education
week 8	Practical	Unit – 4: Education and Social Problems
	(Review of Related Literature on a given	Drug Abuse & Drug Addiction
	topic)	Departmental-7 Pedagogical Studies
	EDCPCOR17P	Unit- 1:
	Departmental-20 & 21	Pedagogic al Analysis
		Pedagogy – Meaning, Nature, & Importance.
	Dissertation/Project EDCPCOR18P	Departmental-8 Contemporary Issues and Trends in Education
		Departmental-8 Contemporary Issues and Trends in Education
		Unit-1: Education and Reservation
		(ii) Reservation for SC/ST/OBC.
		Departmental-10 Psychology of Learner & Learning Process
		Unit-3: Transfer of Learning.
		Types of Transfer – Concept, types & Importance
		Departmental-16 Curriculum Studies
		Unit - 1: Concept of Curriculum
		Departmental-17 Education of Children with Diverse Needs
		Unit - 2: Types of Diverse Learners
		Departmental-18
		DSE-Teacher Education
		Unit - 2: In-service Teacher Education
	Departmental-19	Departmental-6 Sociological Foundations of Education
Week 12	Practical	
	(Review of Related Literature on a given	Unit – 4: Education and Social Problems
	topic)	

	EDCPCOR17P	Terrsm.
	Departmental-20	Departmental-7 Pedagogical Studies
	& 21	
	Dissertation/Pr	Unit- 1: Pedagogical Analysis
	oject EDCPCOR18P	Pedagogical Analysis - Concept & Stages.
		Departmental-8 Contemporary Issues and Trends in Education
		Unit-1: Education and Reservation
		Reservation for Women.
		Departmental-10 Psychology of Learner & Learning Process
		Unit-3: Transfer of Learning
		Theories of Transfer of Learning
		Departmental-16 Curriculum Studies
		Unit - 1: Concept of Curriculum
		Departmental-17 Education of Children with Diverse Needs
		Unit - 2: Types of Diverse Learners
		Departmental-18
		DSE-Teacher Education
		Unit - 2: In-service Teacher Education
Week 13	Departmental-19	Departmental-6 Sociological Foundations of Education
	Practical	
	(Review of Related Literature on a given	Unit – 4: Education and Social Problems
	topic)	Terrsm.
	EDCPCOR17P	Departmental-7 Pedagogical Studies
	Departmental-20	
	& 21	Unit- 1: Pedagogical Analysis
	Dissertation/Pr oject	Critical Pedagogy – Meaning, Needs and its
	EDCPCOR18P	Departmental-8 Contemporary Issues and Trends in Education
		Unit-1: Education and Reservation
		Reservation for Differently Abled /Impaired. Departmental-10 Psychology of Learner & Learning Process
		Unit-3: Transfer of Learning
		(iii)Theories of Transfer of Learning

		Departmental-16 Curriculum Studies
		Unit - 1: Concept of Curriculum
		Departmental-17 Education of Children with Diverse Needs
		Unit - 2: Types of Diverse Learners
		Departmental-18
		DSE-Teacher Education
		Unit - 2: In-service Teacher Education
Week13	to week 14	Internal Exam
Week 15	Departmental-19	Departmental-6 Sociological Foundations of Education
to 17	Practical Practical	
	(Review of Related Literature on a given topic)	Unit – 4: Education and Social Problems
	EDCPCOR17P	Terrsm. Departmental-7 Pedagogical Studies
	Departmental-20 & 21	Unit- 1: Pedagogical Analysis
	Dissertation/Pr	Departmental-16 Curriculum Studies
	oject	Unit - 1: Concept of Curriculum
	EDCPCOR18P	Departmental-17 Education of Children with Diverse Needs
		Unit - 2: Types of Diverse Learners
		Departmental-18
		DSE-Teacher Education
		Unit - 2: In-service Teacher Education
		Critical Pedagogy – Meaning, Needs and its Departmental-8 Contemporary Issues and Trends in Education
		Unit-1: Education and Reservation
		Reservation for Differently Abled /Impaired. Departmental-10 Psychology of Learner & Learning Process
		Unit-3: Transfer of Learning
		Methods for enhancing Transfer of Learning
Week 18	Revision, Practise	Revision

Class: B.Sc. Semester 1, 3, 5

Name of the Teacher: Dr. Anup Kumar Sengupta

Subject: Mathematics Core

Paper: MTMACOR02T, MTMACOR06T, MTMACOR12T (Theory)

S. No.		Theory syllabus to be covered		
Week 1 to	Sem 1	MTMACOR02T: Equivalence relations and partitions, Functions,		
Week 4		Composition of functions, Invertible functions, One to one		
		correspondence and cardinality of a set.		
	Sem 3	MTMACOR06T: Symmetries of a square, Dihedral groups, definition		
		and examples of groups including permutation groups and quaternion		
		groups (through matrices).		
	Sem 5	MTMACOR12T: Automorphism, inner automorphism, automorphism		
		groups, automorphism groups of finite and infinite cyclic groups,		
		applications of factor groups to automorphism groups, Characteristic		
*** 1 5	G 1	subgroups, Commutator subgroup and its properties.		
Week 5 to	Sem 1	MTMACOR02T: Matrix, inverse of a matrix, characterizations of		
Week 8		invertible matrices. Rank of a matrix,		
	Sem 3	MTMACOR06T: Elementary properties of groups. Subgroups and		
		examples of subgroups, centralizer, normalizer, center of a group, product		
	C F	of two subgroups.		
	Sem 5	MTMACOR12T: Properties of external direct products, the group of units		
		modulo n as an external direct product, internal direct products, Fundamental Theorem of finite abelian groups.		
Week 9 to	Sem 1	MTMACOR02T: Eigen values, Eigen Vectors and Characteristic		
Week 12	Sciii i	Equation of a matrix.		
VV CCR 12	Sem 3	MTMACOR06T: Properties of cyclic groups, classification of subgroups		
	Sem 5	of cyclic groups, Cycle notation for permutations, properties of		
		permutations, even and odd permutations, alternating group, properties of		
		cosets, Lagrange's theorem and consequences including Fermat's Little		
		theorem. External direct product of a finite number of groups, normal		
		subgroups, factor groups, Cauchy's theorem for finite abelian groups.		
	Sem 5	MTMACOR12T: Group actions, stabilizers and kernels, permutation		
		representation associated with a given group action. Applications of group		
***		actions. Generalized Cayley's theorem. Index theorem.		
Week 13		Internal examination		
to 14	G. 1	MTM A CODOT. Carland II. 11. 11. 11. 11. 11. 11. 11. 11. 11.		
Week 15	Sem 1	MTMACOR02T: Cayley-Hamilton theorem and its use in finding the		
to Week	Som 2	inverse of a matrix MTMACOR06T: Group homomorphisms, properties of		
1 /	Sem 3	MTMACOR06T: Group homomorphisms, properties of homomorphisms, Cayley's theorem, properties of isomorphisms, First,		
		Second and Third isomorphism theorems.		
	Sem 5	MTMACOR12T: Groups acting on themselves by conjugation, class		
		equation and consequences, conjugacy in Sn, pgroups, Sylow's theorems		
		and consequences, Cauchy's theorem, Simplicity of An for $n \ge 5$, non-		
		simplicity t.		

Week 18	Sem 1	MTMACOR02T: Revision and practice.	
	Sem 3	MTMACOR06T: Revision and practice.	
	Sem 5	MTMACOR12T: Revision and Practice.	

Class: B.Sc.
Semester 2, 4, 6
Name of the Teacher: Dr. Anup Kumar Sengupta
Subject: Mathematics Core

Paper: MTMACOR03T, MTMACOR08T, MTMACOR10T, MTMACOR13T,

MTMACOR14T (Theory)

C Ma		Theory gyllobus to be servered
S. No.	Com 2	Theory syllabus to be covered MTMACOROZT: Poviov of Algebraic and Order Proporties of D. a.
Week 1 to Week 4	Sem 2	MTMACOR03T: Review of Algebraic and Order Properties of \mathbb{R} , ε -neighbourhood of a point in \mathbb{R} . Idea of countable sets, uncountable sets and uncountability of \mathbb{R} . Bounded above sets, Bounded below sets,
		Bounded Sets, Unbounded sets.
	Sem 4	MTMACOR08T: Riemann integration: inequalities of upper and lower sums, Darbaux integration, Darbaux theorem, Riemann conditions of integrability, Riemann sum and definition of Riemann integral through Riemann sums, equivalence of two Definitions. Riemann integrability of monotone and continuous functions, Properties of the Riemann integral; definition and integrability of piecewise continuous and monotone functions. Intermediate Value theorem for Integrals, Fundamental theorem of Integral Calculus
	Sem 6	MTMACOR13T: Metric spaces: Definition and examples. Open and closed balls, neighbourhood, open set, interior of a set. Limit point of a set, closed set, diameter of a set, subspaces, dense sets, separable spaces. Sequences in Metric Spaces, Cauchy sequences. Complete Metric Spaces, Cantor's theorem.
Week 5 to Week 8	Sem 2	MTMACOR03T: Suprema and Infima. Completeness Property of \mathbb{R} and its equivalent properties. The Archimedean Property, Density of Rational (and Irrational) numbers in \mathbb{R} , Intervals. Limit points of a set, Isolated points, Open set, closed set, derived set, Illustrations of Bolzano-Weierstrass theorem for sets, compact sets in \mathbb{R} , Heine-Borel Theorem
	Sem 4	MTMACOR08T: Pointwise and uniform convergence of sequence of functions. Theorems on continuity, derivability and integrability of the limit function of a sequence of functions. Series of functions, Theorems on the continuity and derivability of the sum function of a series of functions; Cauchy criterion for uniform convergence and Weierstrass M-Test
	Sem 6	MTMACOR13T: Continuous mappings, sequential criterion and other characterizations of continuity, Uniform continuity, Connectedness, connected subsets of R. Compactness: Sequential compactness, Heine-Borel property, Totally bounded spaces, finite intersection property, and continuous functions on compact sets. Homeomorphism, Contraction mappings, Banach Fixed point Theorem and its application to ordinary differential equation. MTMACOR14T: Polynomial rings over commutative rings, division algorithm and consequences, principal ideal domains, factorization of polynomials, reducibility tests, irreducibility tests, Eisenstein criterion, and
		unique factorization in Z [x]. Divisibility in integral domains, irreducible, primes, unique factorization domains, Euclidean domains.

		<u> </u>
Week 9 to	Sem 2	MTMACOR03T: Sequences, Bounded sequence, Convergent sequence,
Week 12		Limit of a sequence, liminf, lim sup. Limit Theorems. Monotone
		Sequences, Monotone Convergence Theorem. Subsequences, Divergence
		Criteria.
	Sem 4	MTMACOR10T: Vector spaces, subspaces, algebra of subspaces,
		quotient spaces, linear combination of vectors, linear span, linear
		independence, basis and dimension, dimension of subspaces.
	Sem 6	MTMACOR14T: Dual spaces, dual basis, double dual, transpose of a
		linear transformation and its matrix in the dual basis, annihilators. Eigen
		spaces of a linear operator, diagonalizability, invariant subspaces and
		Cayley-Hamilton theorem, the minimal polynomial for a linear operator,
		canonical forms.
Week 13		Internal examination
to 14		
Week 15	Sem 2	MTMACOR03T: Monotone Subsequence Theorem (statement only),
to Week		Bolzano Weierstrass Theorem for Sequences. Cauchy sequence,
17		Cauchy's Convergence Criterion
	Sem 4	MTMACOR10T: Introduction to linear transformations, Subspaces,
		dimension of subspaces, null space, range, rank and nullity of a linear
		transformation, matrix representation of a linear transformation, algebra
		of linear transformations. Isomorphisms. Isomorphism theorems,
		invertibility and isomorphisms, change of coordinate matrix.
	Sem 6	MTMACOR14T: Inner product spaces and norms, Gram-Schmidt
		orthogonalisation process, orthogonal complements, Bessel's inequality,
		the adjoint of a linear operator, Least Squares Approximation, minimal
		solutions to systems of linear equations, Normal and self-adjoint
		operators, Orthogonal projections and Spectral theorem.
Week 18	Sem 2	MTMACOR03T: Revision and practice.
	Sem 4	MTMACOR09T: Revision and Practice.
	Sem 6	MTMACOR13T: Revision and Practice.
		MTMACOR14T: Revision and Practice.

Class: B.Sc. Semester 1, 3, 5

Name of the Teacher: Prof. Narayan Chandra Basak

Subject: Mathematics Core

Paper: MTMACOR01T, MTMACOR05T, MTMADSE03T (Theory)

S. No.		Theory syllabus to be covered
Week 1 to	Sem 1	MTMACOR01T: Reflection properties of conics, translation and rotation of
Week 4	DOM 1	axes and second degree equations,
WCCK 4	Sem 3	MTMACOR05T: Limits of functions (ε - δ approach),
	Sem 5	MTMADSE03T: Sample space, probability axioms, real random variables
	Delli 3	(discrete and continuous), cumulative distribution function, probability
		mass/density functions, mathematical expectation, moments, moment
		generating function, characteristic function, discrete distributions: uniform,
		binomial, Poisson, geometric, negative binomial, continuous distributions:
		uniform, normal, exponential
Week 5 to	Sem 1	MTMACOR01T: Classification of conics using the discriminant, polar
Week 8		equations of conics
	Sem 3	MTMACOR05T: sequential criterion for limits, divergence criteria
	Sem 5	MTMADSE03T: Joint cumulative distribution function and its properties, joint
		probability density functions, marginal and conditional distributions,
		expectation of function of two random variables, conditional expectations,
		independent random variables, bivariate normal distribution, correlation
		coefficient, joint moment generating function (jmgf) and calculation of
Week 9 to	Sem 1	covariance (from jmgf), linear regression for two variables. MTMACOR01T: Spheres. Cylindrical surfaces. Central conicoids,
Week 9 to Week 12	Selli I	MTMACOR01T: Spheres. Cylindrical surfaces. Central conicoids, paraboloids, plane sections of conicoids
Week 12	Sem 3	MTMACOR05T: Limit theorems, one sided limits
	Sem 5	MTMADSE03T: Chebyshev's inequality, statement and interpretation of
	Sciii 3	(weak) law of large numbers and strong law of large numbers. Central Limit
		theorem for independent and identically distributed random variables with finite
		variance, Markov Chains, Chapman-Kolmogorov equations, classification of
		states
Week 13		Internal examination
to 14		
Week 15	Sem 1	MTMACOR01T: Revision of Generating lines, classification of quadrics,
to Week		Illustrations of graphing standard quadric surfaces like cone, ellipsoid
17	Sem 3	MTMACOR05T: : Infinite limits and limits at infinity
	Sem 5	MTMADSE03T: Random Samples, Sampling Distributions, Estimation of
		parameters, Testing of hypothesis
Week 18	Sem 1	MTMACOR01T: Revision and practice.
	Sem 3	MTMACOR05T: Revision and Practice.
	Sem 5	MTMADSE03T: Revision and Practice.

Class: B.Sc.
Semester 2, 4, 6
Name of the Teacher: Prof. Narayan Chandra Basak
Subject: Mathematics Core

Paper: MTMACOR04T, MTMACOR08T, MTMADSE04T (Theory)

S. No.		Theory syllabus to be covered
Week 1 to	Sem 2	MTMACOR04T: Triple product, introduction to vector functions.
Week 4	Sem 4	MTMACOR08T: Fourier series: Definition of Fourier coefficients and series.
	Sem 6	MTMADSE04T: General properties of polynomials, Graphical representation
		of a polynomial, maximum and minimum values of a polynomials, General
		properties of equations, Descarte's rule of signs positive and negative rule,
		Relation between the roots and the coefficients of equations
Week 5 to	Sem 2	MTMACOR04T: Operations with vector-valued functions.
Week 8	Sem 4	MTMACOR08T: Reimann Lebesgue lemma, Bessel's inequality, Parseval's
		identity, Dirichlet's condition, Examples of Fourier expansions and summation
	Q (results for series
	Sem 6	MTMADSE04T: Symmetric functions. Applications of symmetric function of
		the roots. Transformation of equations. Solutions of reciprocal and binomial
		equations. Algebraic solutions of the cubic (Cardan's method) and biquadratic (Ferrari's method). Properties of the derived functions
Week 9 to	Sem 2	MTMACOR04T: Limits and continuity of vector functions.
Week 12	Sem 4	MTMACOR08T: Power series, radius of convergence, Cauchy Hadamard
WCCK 12	Selli 4	Theorem.
	Sem 6	MTMADSE04T: Symmetric functions of the roots, Newton's theorem on the
	Dem o	sums of powers of roots, homogeneous products, limits of the roots of equations
Week 13		Internal examination
to 14		2
Week 15	Sem 2	MTMACOR04T: Differentiation and integration of vector functions.
to Week	Sem 4	MTMACOR08T: Differentiation and integration of power series; Abel's
17		Theorem; Weierstrass Approximation Theorem
	Sem 6	MTMADSE04T: Separation of the roots of equations, Strums theorem.
		Applications of Strum's theorem, Conditions for reality of the roots of an
		equation. Solution of numerical equations
Week 18	Sem 2	MTMACOR04T: Revision and practice.
	Sem 4	MTMACOR08T: Revision and Practice.
	Sem 6	MTMADSE04T: Revision and Practice.

Class: B.Sc.
Semester 1, 3, 5
Name of the Teacher: Dr. Syamali Bhadra

Subject: Mathematics Core

Paper: MTMACOR01T, MTMACOR07T, MTMADSE01T, MTMSSEC01M (Theory)

S. No.		Theory syllabus to be covered
Week 1 to Week 4	Sem 1	MTMACOR01T: Reduction formulae, derivations and illustrations of reduction formulae for the integration of $\sin^n x$, $\cos^n x$, $\tan^n x$, $\sec^n x$, $(\log x)^n$, $\sin^n x \sin^m x$, parametric equations.
	Sem 3	MTMACOR07T: Algorithms, Convergence, Errors: Relative, Absolute. Round off, Truncation. Transcendental and Polynomial equations: Bisection method, Newton's method, Secant method, Regula-falsi method, fixed point iteration, Newton-Raphson method. Rate of convergence of these methods. MTMSSEC01M: Definition, Requirement of programming language, Machine language, high-level programming languages, machine code of a program: compilation process, Problem solving approaches: algorithm and flowchart.
	Sem 5	MTMACOR11T: Partial Differential Equations – Basic concepts and Definitions. Mathematical Problems. First- Order Equations: Classification, Construction and Geometrical Interpretation. Method of Characteristics for obtaining General Solution of Quasi Linear Equations. Canonical Forms of First-order Linear Equations. Method of Separation of Variables for solving first order partial differential equations
Week 5 to Week 8	Sem 1	MTMACOR01T: Parametrizing a curve, arc length, arc length of parametric curves, area of surface of revolution. Techniques of sketching conics.
W	Sem 3	MTMACOR07T: System of linear algebraic equations: Gaussian Elimination and Gauss Jordan methods. Gauss Jacobi method, Gauss Seidel method and their convergence analysis, LU Decomposition. Interpolation: Lagrange and Newton's methods, Error bounds, Finite difference operators. Gregory forward and backward difference interpolations. Numerical differentiation: Methods based on interpolations, methods based on finite differences. MTMSSEC01M: Built in Data Types: int, float, double, char; Constants and Variables; first program: printf(), scanf(), compilation etc., keywords, Arithmetic operators: precedence and associativity, Assignment Statements: post & pre increment/decrement, logical operators: and, or, not. Relational operators, if-else statement, Iterative Statements: for loop, while loop and dowhile loop; controlling loop execution: break and continue, nested loop MTMACOR11T: Central force. Constrained motion, varying mass, tangent and normal components of acceleration, modelling ballistics and planetary motion, Kepler's second law
Week 9 to Week 12	Sem 1 Sem 3	MTMACOR01T: Differential equations and mathematical models. General, particular, explicit, implicit and singular solutions of a differential equation. MTMACOR07T: Interpolation: Lagrange and Newton's methods, Error
		bounds, Finite difference operators. Gregory forward and backward difference interpolations. MTMSSEC01M: Definition & requirement, declaration & initialization, indexing, one dimensional array: finding maximum, minimum, simple sorting and searching. Matrix Manipulations (Addition, Multiplication, Transpose)

		Arrays and Pointers, Memory allocation and deallocation: malloc() and free() functions.
	Sem 5	MTMADSE01T: Duality, formulation of the dual problem, primal-dual relationships, economic interpretation of the dual. Transportation problem and its mathematical formulation, northwest-corner method, least cost method and Vogel approximation method for determination of starting basic solution, algorithm for solving transportation problem, assignment problem and its mathematical formulation, Hungarian method for solving assignment problem.
Week 13 to 14		Internal examination
Week 15 to Week 17	Sem 1	MTMACOR01T: Exact differential equations and integrating factors, separable equations and equations reducible to this form, linear equation and Bernoulli equations, special integrating factors and transformations.
	Sem 3	MTMACOR07T: Numerical differentiation: Methods based on interpolations, methods based on finite differences. The algebraic eigenvalue problem: Power method. Ordinary Differential Equations: The method of successive approximations, Euler's method, the modified Euler method, Runge-Kutta methods of orders two and four. MTMSSEC01M: Why?, How to declare, define and invoke a function, Variables' scope, local& global variables and function parameters, Pointers, arrays as function parameters, return statement, Header files and their role. Illustrate different examples like swapping values, compute n!, nCr, find max/min from a list of elements, sort a set of numbers, matrix addition/multiplication etc.
	Sem 5	MTMADSE01T: Game theory: Formulation of two person zero sum games, solving two person zero sum games, games with mixed strategies, graphical solution procedure, linear programming solution of games.
Week 18	Sem 1	MTMACOR01T: Revision and practice.
	Sem 3	MTMACOR07T: Revision and Practice.
		MTMSSEC01M: Revision and Practice.
	Sem 5	MTMADSE01T & MTMACOR11T: Revision and Practice.

Class: B.Sc. Semester 2, 4, 6

Name of the Teacher: Dr. Syamali Bhadra

Subject: Mathematics Core

Paper: MTMACOR04T, MTMACOR08T, MTMSSEC02M, MTMACOR09T,

MTMADSE06T (**Theory**)

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S. No.		Theory syllabus to be covered
Week 1 to	Sem 2	MTMACOR04T: Lipschitz condition and Picard's Theorem (Statement only).
Week 4		General solution of homogeneous equation of second order, principle of super
		position for homogeneous equation,
	Sem 4	MTMACOR08T: Improper integrals, Convergence of Beta and Gamma
		functions.
	Sem 6	MTMADSE06T: Co-planar forces. Astatic equilibrium. Friction. Equilibrium
		of a particle on a rough curve. Virtual work. Forces in three dimensions. General
		conditions of equilibrium. Centre of gravity for different bodies. Stable and
		unstable equilibrium
Week 5 to	Sem 2	MTMACOR04T: Wronskian: its properties and applications, Linear
Week 8		homogeneous and non-homogeneous equations of higher order with constant
		coefficients, Euler's equation, method of undetermined coefficients, method of
		variation of parameters
	Sem 4	MTMACOR09T: Definition of vector field, divergence and curl. Line
		integrals, Applications of line integrals: Mass and Work. Fundamental theorem
		for line integrals, conservative vector fields, independence of path,
	Sem 6	MTMADSE06T: Equations of motion referred to a set of rotating axes. Motion
		of a projectile in a resisting medium. Stability of nearly circular orbits. Motion
		under the inverse square law. Slightly disturbed orbits. Motion of artificial
		satellites. Motion of a particle in three dimensions. Motion on a smooth sphere,
XX 1.0.	G 0	cone, and on any surface of revolution.
Week 9 to	Sem 2	MTMACOR04T: System of linear differential equations, types of linear
Week 12		systems, differential operators, an operator method for linear systems with
	G 4	constant coefficients.
	Sem 4	MTMACOR09T: Green's theorem, surface integrals, integrals over
	0 (parametrically defined surfaces. Stoke's theorem, The Divergence theorem.
	Sem 6	MTMADSE06T: Degrees of freedom. Moments and products of inertia.
		Momental Ellipsoid. Principal axes. D'Alembert's Principle. Motion about a
Wash 12		fixed axis. Compound pendulum.
Week 13		Internal examination
to 14	G 2	AFFILL COPOLET POLICE CONTRACTOR
Week 15	Sem 2	MTMACOR04T: Basic Theory of linear systems in normal form,
to Week		homogeneous linear systems with constant coefficients: Two Equations in two
17	G 4	unknown functions.
	Sem 4	MTMSSEC02M: Introduction, propositions, truth table, negation, conjunction
		and disjunction. Implications, biconditional propositions, converse, contra
		positive and inverse propositions and precedence of logical operators.

		Propositional equivalence: Logical equivalences. Predicates and quantifiers:
		Introduction, Quantifiers, Binding variables and Negations. Sets, subsets, Set
		operations and the laws of set theory and Venn diagrams. Examples of finite
		and infinite sets. Finite sets and counting principle. Empty set, properties of
		empty set. Standard set operations. Classes of sets. Power set of a set.
		Difference and Symmetric difference of two sets. Set identities, Generalized
		union and intersections. Relation: Product set. Composition of relations, Types
		of relations, Partitions, Equivalence Relations with example of congruence
		modulo relation. Partial ordering relations, n- ary relations
	Sem 6	MTMADSE06T: Motion of a rigid body in two dimensions under finite and
		impulsive forces. Conservation of momentum and energy.
Week 18	Sem 2	MTMACOR04T: Revision and practice.
	Sem 4	MTMACOR08T, MTMACOR09T& MTMSSEC02M: Revision and
		Practice.
	Sem 6	MTMADSE06T: Revision and Practice.

Class: B.Sc.

Semester 1, 3, 5 Name of the Teacher: Utpal Mondal

Subject: Mathematics Core and Mathematics General

Paper: MTMACOR02T, MTMGCOR01T, MTMACOR05T, MTMACOR06T,

MTMADSE03T (Theory)

S. No.		Theory syllabus to be covered
Week 1 to	Sem 1	MTMACOR02T: Polar representation of complex numbers, n-th roots of
Week 4		unity, De Moivre's theorem for rational indices and its applications.
		MTMGCOR01T: Limit and Continuity (ε and δ definition), Types of
	~ 4	discontinuities, Differentiability of functions.
	Sem 3	MTMACOR05T: Continuous functions, sequential criterion for continuity and
		discontinuity. Algebra of continuous functions. Continuous functions on an interval, intermediate value theorem, location of roots theorem, preservation of
		intervals theorem. Uniform continuity, non-uniform continuity criteria, uniform
		continuity theorem.
		MTMACOR06T: Properties of cyclic groups, classification of subgroups of
		cyclic groups.
	Sem 5	MTMADSE03T: Joint cumulative distribution function and its properties, joint
		probability density functions, marginal and conditional distributions,
		expectation of function of two random variables, conditional expectations.
Week 5 to	Sem 1	MTMACOR02T: Theory of equations: Relation between roots and
Week 8		coefficients, Transformation of equation, Descartes rule of signs.
		MTMGCOR01T: Successive differentiation, Leibnitz's theorem, Partial
		differentiation, Euler's theorem on homogeneous functions.
	Sem 3	MTMACOR05T: Differentiability of a function at a point and in an interval,
		Caratheodory's theorem, algebra of differentiable functions. Relative extrema, interior extremum, theorem. Rolle's Theorem. Mean value theorem,
		internediate value property of derivatives.
		MTMACOR06T: Cycle notation for permutations, properties of permutations,
		even and odd permutations, alternating group, properties of cosets, Lagrange's
		theorem and consequences including Fermat's Little theorem.
	Sem 5	MTMADES03T: Expectation of function of two random variables, conditional
		expectations, independent random variables, bivariate normal distribution,
		correlation coefficient, joint moment generating function (jmgf) and calculation of covariance (from jmgf), linear regression for two variables.
		of covariance (from jingt), finear regression for two variables.
Week 9 to	Sem 1	MTMACOR02T: Cubic (Cardan's method) and biquadratic equations
Week 12		(Ferrari's method).
		MTMGCOR01T: Rolle's theorem, Mean Value theorems, Taylor's theorem
	G 2	with Lagrange's and Cauchy's forms of remainder.
	Sem 3	MTMACOR05T: Darboux's theorem. Applications of mean value theorem to
		inequalities and approximation of polynomials, Cauchy's mean value theorem. Taylor's theorem with Lagrange's form of remainder, Taylor's theorem with
		Cauchy's form of remainder, application of Taylor's theorem to convex
		functions, relative extrema.
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W. 1.12	Sem 5	MTMACOR06T: External direct product of a finite number of groups, normal subgroups, factor groups, Cauchy's theorem for finite abelian groups. MTMADSE03T: Chebyshev's inequality, statement and interpretation of (weak) law of large numbers and strong law of large numbers. Central Limit theorem for independent and identically distributed random variables with finite variance, Markov Chains, Chapman-Kolmogorov equations, classification of states
Week 13 to 14		Internal examination
Week 15 to Week 17	Sem 1	MTMACOR02T: Inequality: The inequality involving AM \geq GM \geq HM, Cauchy-Schwartz inequality. MTMGCOR01T: Taylor's series, Maclaurin's series of $sin\ x$, $cos\ x$, e^x , $log(l+x), (1+x)^n$.
	Sem 3	MTMACOR05T: Taylor's series and Maclaurin's series expansions of exponential and trigonometric functions, $\ln(1+x)$, $1/ax+b$ and $(1+x)^n$. Application of Taylor's theorem to inequalities. MTMACOR06T: Group homomorphisms, properties of homomorphisms, Cayley's theorem, properties of isomorphisms, First, Second and Third isomorphism theorems.
	Sem 5	MTMADSE03T: Random Samples, Sampling Distributions, Estimation of parameters, Testing of hypothesis.
Week 18	Sem 1	MTMACOR02T: Revision and practice. MTMGCOR01T: Revision and practice.
	Sem 3	MTMACOR05T: Revision and Practice. MTMACOR06T: Revision and Practice.
	Sem 5	MTMADSE03T: Revision and Practice.

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA Teaching Plan for Odd Semester, UG course **Department of Mathematics**

Session (2020-2021)

Class: B.Sc.

Semester 2, 4, 6 Name of the Teacher: Utpal Mondal

Subject: Mathematics Core and Mathematics General

Paper: MTMACOR03T, MTMGCOR02T, MTMACOR10T. MTMACOR13T,

MTMACOR14T (Theory)

S. No.	Theory syllabus to be covered		
Week 1 to Week 4	Sem 2	MTMACOR03T: Review of Algebraic and Order Properties of \mathbb{R} , ϵ -neighbourhood of a point in \mathbb{R} . Idea of countable sets, uncountable sets and uncountability of \mathbb{R} . Bounded above sets, Bounded below sets, Bounded Sets, Unbounded sets. Suprema and Infima. Completeness Property of \mathbb{R} and its equivalent properties. MTMGCOR02T: Linear homogenous equations with constant coefficients, Linear non-homogenous equations. MTMACOR10T: Definition and examples of rings, properties of rings, subrings, integral domains and fields, characteristic of a ring. Ideal, ideal generated by a subset of a ring, factor rings, operations on ideals, prime and maximal ideals	
	Sem 6	MTMACOR13T: Continuous mappings, sequential criterion and other characterizations of continuity, Uniform continuity. MTMACOR14T: Polynomial rings over commutative rings, division	
		algorithm and consequences, principal ideal domains, factorization of polynomials, reducibility tests, irreducibility tests.	
Week 5 to Week 8	Sem 2	MTMACOR03T: The Archimedean Property, Density of Rational (and Irrational) numbers in \mathbb{R} , Intervals. Limit points of a set, Isolated points, Open set, closed set, derived set, Illustrations of Bolzano-Weierstrass theorem for sets, compact sets in \mathbb{R} , Heine-Borel Theorem.	
		MTMGCOR02T: The method of variation of parameters, The Cauchy-Euler equation, Simultaneous differential equations, Total differential equations	
	Sem 4	MTMACOR10T: Ring homomorphisms, properties of ring homomorphisms. Isomorphism theorems I, II and III, field of quotients	
	Sem 6	MTMACOR13T: Connectedness, connected subsets of R. Compactness: Sequential compactness, Heine-Borel property. MTMACOR14T: Eisenstein criterion, and unique factorization in Z [x]. Divisibility in integral domains, irreducible, primes, unique factorization domains, Euclidean domains.	
Week 9 to Week 12	Sem 2	MTMACOR03T: Sequences, Bounded sequence, Convergent sequence, Limit of a sequence, liminf, lim sup. Limit Theorems. Monotone Sequences, Monotone Convergence Theorem. Subsequences, Divergence Criteria. Monotone Subsequence Theorem (statement only).	
		MTMGCOR02T: Order and degree of partial differential equations, Concept of linear and non-linear partial differential equations, Formation of first order partial differential equations.	

	Sem 4	TMACOR10T: Vector spaces, subspaces, algebra of subspaces, quotient spaces, linear combination of vectors, linear span, linear independence, basis and dimension, dimension of subspaces.	
	Sem 6	MTMACOR13T: Totally bounded spaces, finite intersection property, and continuous functions on compact sets.	
		MTMACOR14T: Dual spaces, dual basis, double dual, transpose of a linear transformation and its matrix in the dual basis, annihilators.	
Week 13 to 14		Internal examination	
Week 15 to Week	Sem 2	MTMACOR03T: Bolzano Weierstrass Theorem for Sequences. Cauchy sequence, Cauchy's Convergence Criterion.	
17		MTMGCOR02T: Lagrange's method, Charpit's method. Classification of second order partial differential equations into elliptic, parabolic and hyperbolic through illustrations only	
	Sem 4	MTMACOR10T: Introduction to linear transformations, Subspaces, dimension of subspaces, null space, range, rank and nullity of a linear transformation, matrix representation of a linear transformation, algebra of linear transformations. Isomorphisms. Isomorphism theorems, invertibility and isomorphisms, change of coordinate matrix.	
	Sem 6	MTMACOR13T: Homeomorphism, Contraction mappings, Banach Fixed point Theorem and its application to ordinary differential equation. MTMACOR14T: Eigen spaces of a linear operator, diagonalizability, invariant subspaces and Cayley-Hamilton theorem, the minimal polynomial for a linear operator, canonical forms.	
Week 18	Sem 2	MTMACOR03T: Revision and practice.	
	Sem 4	MTMGCOR02T: Revision and practice. MTMACOR10T: Revision and Practice.	
	Sem 6	MTMACOR13T& MTMACOR14T: Revision and Practice.	

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA Teaching Plan for Odd Semester, UG course Department of Mathematics Session (2020-2021)

Class: B.Sc. Semester 1, 3, 5

Name of the Teacher: Dr. Shib Sankar Giri

Subject: Mathematics Core and Mathematics General

Paper: MTMACOR01T, MTMACOR02T, MTMGCOR01T, MTMACOR11T,

MTMADSE01T (**Theory**)

S. No.		Theory syllabus to be covered	
Week 1 to Week 4	Sem 1	• •	
	Sem 5	MTMACOR11T: Derivation of Heat equation, Wave equation and Laplace equation. Classification of second order linear equations as hyperbolic, parabolic or elliptic.	
Week 5 to Week 8	Sem 1	MTMACOR01T: Introduction to linear programming problem MTMACOR01T: Asymptotes, curve tracing in Cartesian coordinates, tracing in polar coordinates of standard curves, L'Hospital's rule, applications in business, economics and life sciences. MTMGCOR01T: Parametric representation of curves and tracing of parametric curves, Polar coordinates and tracing of curves in polar coordinates, Rolle's theorem, Mean Value theorems.	
	Sem 5	MTMACOR11T: Reduction of second order Linear Equations to canonical forms. The Cauchy problem, Cauchy-Kowalewskaya theorem, Cauchy problem of an infinite string, Initial Boundary Value Problems MTMADSEO1T: Theory of simpley method, graphical solution, convey sets.	
Week 9 to Week 12	Sem 1	MTMADSE01T: Theory of simplex method, graphical solution, convex sets, MTMACOR02T: Well-ordering property of positive integers, Division algorithm, Divisibility and Euclidean algorithm. Congruence relation between integers. MTMGCOR01T: Taylor's theorem with Lagrange's and Cauchy's forms of remainder, Taylor's series, Maclaurin's series of sin x, cos x, ex, log(l+x), (l+x)n	
	Sem 5	MTMACOR11T: Semi-Infinite String with a fixed end, Semi-Infinite String with a Free end. Equations with non-homogeneous boundary conditions. MTMADSE01T: optimality and unboundedness, the simplex algorithm, simplex method in tableau format, introduction to artificial variables.	
Week 13 to 14		Internal examination	
Week 15 to Week 17	Sem 1	MTMACOR02T: Principles of Mathematical Induction, statement of Fundamental Theorem of Arithmetic. MTMGCOR01T: Maxima and Minima, Indeterminate forms	
	Sem 5	MTMACOR11T: Non-Homogeneous Wave Equation. Method of separation of variables, Solving the Vibrating String Problem. Solving the Heat Conduction problem.	

		MTMADSE01T: Two-phase method Big-M method and their comparison
Week 18	Sem 1	MTMACOR01T and MTMACOR02T: Revision and practice.
		MTMGCOR01T: Revision and practice.
	Sem 5	MTMACOR11T: Revision and Practice.
		MTMADSE01T: Revision and Practice.

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA Teaching Plan for Odd Semester, UG course Department of Mathematics Session (2020-2021)

Class: B.Sc. Semester 3

Name of the Teacher: Dr. Shib Sankar Giri

Subject: Mathematics Core Paper: MTMACOR07P (Practical)

S. No.		Practical syllabus to be covered	
Week 1 to	Sem 3	MTMACOR07P: Calculate the sum $1/1 + 1/2 + 1/3 + 1/4 + + 1/N$. Enter	
4		100 integers into an array and sort them in an ascending order. Solution of	
		transcendental and algebraic equations by a. Bisection method b. Newton	
		Raphson method. c. Secant method. d. Regula Falsi method.	
Week 5 to	Sem 3	MTMACOR07P: Solution of system of linear equations a. LU decomposition	
8		method b. Gaussian elimination method c. Gauss-Jacobi method d. Gauss-	
		Seidel method. Interpolation a. Lagrange Interpolation b. Newton Interpolation	
Week 9 to	Sem 3	MTMACOR07P: Numerical Integration a. Trapezoidal Rule b. Simpson's	
12		one third rule c. Weddle's Rule d. Gauss Quadrature, Method of finding	
		Eigenvalue by Power method, Fitting a Polynomial Function	
Week 13		Internal examination	
to 14			
Week 15	Sem 3	MTMACOR07P: Solution of ordinary differential equations a. Euler method	
to Week 17		b. Modified Euler method c. Runge Kutta method	
Week 18	Sem 3	MTMACOR07P: Revision and Practice.	

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA Teaching Plan for Odd Semester, UG course Department of Mathematics Session (2020-2021)

Class: B.Sc.

Semester 2, 4, 6 Name of the Teacher: Dr. Shib Sankar Giri

Subject: Mathematics Core and Mathematics General

Paper: MTMACOR04T, MTMGCOR02T, MTMACOR09T, MTMACOR10T,

MTMADSE04T (**Theory**)

9.33			
S. No.	Theory syllabus to be covered		
Week 1 to	Sem 2	MTMACOR04T: Equilibrium points, Interpretation of the phase plane,	
Week 4		MTMGCOR02T: Methods for solving higher-order differential equations.	
		Basic theory of linear differential equations, Wronskian, and its properties.	
		Solving a differential equation by reducing its order	
	Sem 4	MTMACOR09T: Functions of several variables, limit and continuity of	
		functions of two or more variables Partial differentiation, total differentiability	
		and differentiability, sufficient condition for differentiability.	
		MTMACOR10T: Definition and examples of rings, properties of rings,	
		subrings, integral domains and fields, characteristic of a ring.	
	Sem 6	MTMACOR13T: Limits, Limits involving the point at infinity, continuity.	
		Properties of complex numbers, regions in the complex plane, functions of	
		complex variable, mappings. Derivatives, differentiation formulas, Cauchy-	
		Riemann equations, sufficient conditions for differentiability.	
Week 5 to	Sem 2	MTMACOR04T: Power series solution of a differential equation about an	
Week 8		ordinary point, solution about a regular singular point	
		MTMGCOR02T: Linear homogenous equations with constant coefficients,	
		Linear non-homogenous equations, The method of variation of parameters, The	
		Cauchy-Euler equation, Simultaneous differential equations, Total differential	
	G 4	equations	
	Sem 4	MTMACOR09T: Chain rule for one and two independent parameters,	
		directional derivatives, the gradient, maximal and normal property of gradient,	
		tangent planes, Extrema of functions of two variables, method of Lagrange	
		multipliers, constrained optimization problems.	
		MTMACOR10T: Ideal, ideal generated by a subset of a ring, factor rings, operations on ideals, prime and maximal ideals. Ring homomorphisms,	
		properties of ring homomorphisms. Isomorphism theorems I, II and III, field of	
		quotients.	
	Sem 6	MTMACOR13T: Analytic functions, examples of analytic functions,	
	Sciii 0	exponential function, Logarithmic function, trigonometric function, derivatives	
		of functions, and definite integrals of functions. Contours, Contour integrals and	
		its examples, upper bounds for moduli of contour integrals. Cauchy- Goursat	
		theorem, Cauchy integral formula.	
Week 9 to	Sem 2	MTMACOR03T: Infinite series, convergence and divergence of infinite series,	
Week 12		Cauchy Criterion, Tests for convergence: Comparison test, Limit Comparison	
		test, Ratio Test, Cauchy's nth root test,	
		MTMGCOR02T: Order and degree of partial differential equations, Concept	
		of linear and non-linear partial differential equations, Formation of first order	
		partial differential equations, Linear partial differential equation of first order.	
	Sem 4	MTMACOR09T: Double integration over rectangular region, double	
		integration over non-rectangular region, Double integrals in polar co-ordinates,	
		Triple integrals, Triple integral over a parallelepiped and solid regions. Volume	
		by triple integrals, cylindrical and spherical coordinates.	

	Sem 6	MTMACOR13T: Liouville's theorem and the fundamental theorem of algebra.	
		Convergence of sequences and series, Taylor series and its examples.	
Week 13		Internal examination	
to 14			
Week 15	Sem 2	MTMACOR03T: Integral test. Alternating series, Leibniz test. Absolute and	
to Week		Conditional convergence.	
17		MTMGCOR02T: Lagrange's method, Charpit's method. Classification of	
		second order partial differential equations into elliptic, parabolic and hyperbolic	
		through illustrations only.	
	Sem 4	MTMACOR09T: Change of variables in double integrals and triple integrals.	
	Sem 6	MTMACOR13T: Laurent series and its examples, absolute and uniform	
		convergence of power series.	
Week 18	Sem 2	MTMACOR04T: Revision and practice.	
		MTMGCOR02T: Revision and practice.	
	Sem 4	MTMACOR09T and MTMACOR10T: Revision and Practice.	
	Sem 6	MTMACOR13T: Revision and Practice.	

Teaching Plan for Odd Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: BENUDHAR MANDAL

Subject: Botany

Paper: Core Course I. Phycology and Microbiology, Course Code: BOTACOR01T & BOTACOR01P, . Economic Botany(BOTACOR06T,), Industrial and Environmental Microbiology, Course Code: (BOTADSE03T, BOTADSE03P) Generic Electives Course (GE): Biodiversity(Microbes Algae, Fungi and Archegoniate) (BOTHGEC01T) and (BOTHGEC01P)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	1, Continuous assessment of Topic 1 Core Course-, Industrial and Environmental	Core Course I. Microbiology, Course Code: BOTACOR01T Unit 1, Class Test Core Course Economic Botany(BOTACOR06T,) Unit 1 Core Course-, Industrial and Environmental Microbiology, Course Code: BOTADSE03T, Topic 1, Continuous assessment Generic Electives Course (GE): Biodiversity(Microbes Algae, Fungi and Archegoniate) (BOTHGEC01T) Unit 1,Unit 2,
Week 5 to Week 8	Core Course I. Phycology and Microbiology,	Core Course I. Microbiology, Course Code: BOTACOR01T Unit 2, Class Test Core Course Economic Botany(BOTACOR06T,) Unit 1 Class test Core Course-, Industrial and Environmental Microbiology, Course Code: BOTADSE03T, Topic 2,3, Class test Generic Electives Course (GE): Biodiversity(Microbes Algae, Fungi and Archegoniate) (BOTHGEC01T) Unit 1, Unit 2, Class test Unit 1 and Unit 2
Week 9 to Week 12	3,4 Continuous assessment Core Course-, Industrial and Environmental	Core Course I. Microbiology, Course Code: BOTACOR01T Unit 3, Class Test Core Course Economic Botany(BOTACOR06T,) Unit 1 Class test Core Course-, Industrial and Environmental Microbiology, Course Code: BOTADSE03T, Topic 2,3, Class test Generic Electives Course (GE): Biodiversity(Microbes Algae, Fungi and Archegoniate) (BOTHGEC01T) Unit 4, Unit 5, Class test Unit 4 andUnit 5,
Week 13	Core Course I. Phycology and Microbiology, Course Code: BOTACOR01P. Microbiology Topic 2,3, Continuous assessment of topic 2,3 Core Course-, Industrial and Environmental	Core Course I. Microbiology , Course Code: BOTACOR01T Unit 2, Class Test Core Course Economic Botany(BOTACOR06T,) Unit 1 Class test

Week 13	Core Course I. Phycology and Microbiology,	Core Course I. Microbiology, Course Code: BOTACOR01T
	Course Code: BOTACOR01P. Microbiology Topic	Unit 2, Class Test
	2,3, Continuous assessment of topic 2,3	Core Course Economic Botany(BOTACOR06T,) Unit 1 Class
	Core Course-, Industrial and Environmental	test
	Microbiology, Course Code: , BOTADSE03P Topic	
	1, Continuous assessment	Core Course-, Industrial and Environmental Microbiology,
	Generic Electives Course (GE):	Course Code: BOTADSE03T, Topic 2,3, Class test
	Biodiversity(Microbes Algae, Fungi and	
	Archegoniate) (BOTHGEC01P) Topic 8,9,	Generic Electives Course (GE): Biodiversity(Microbes Algae,
	Continuous assessment of topic 8,9	Fungi and Archegoniate) (BOTHGEC01T) Unit 4, Unit 5,
		Class test Unit 4 and Unit 5,
Week 14	Internal 1	Examination

Week 15	Core Course I. Phycology and Microbiology, Course	Core Course I. Microbiology , Course Code: BOTACOR01T
to week 17	Code: BOTACOR01P. Microbiology Topic 3,4	Unit 3, Class Test
	Continuous assessment	Core Course Economic Botany(BOTACOR06T,) Unit 1 Class
	· · · · · · · · · · · · · · ·	test
	Microbiology, Course Code: , BOTADSE03P Topic	
		Core Course-, Industrial and Environmental Microbiology,
	Generic Electives Course (GE Biodiversity(Microbes	Course Code: BOTADSE03T, Topic 2,3, Class test
	Algae, Fungi and Archegoniate) (BOTHGEC01P) Topic	
		Generic Electives Course (GE): Biodiversity(Microbes Algae,
	·	Fungi and Archegoniate) (BOTHGEC01T) Unit 7, Class test
		Unit 7,
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for EVEN Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: BENUDHAR MANDAL

Subject: Botany

Paper: Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T & BOTACOR03P. Ethnobotany(BOTSSECO2M)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course I. Mycology and Plant Pathology, Course Code: BOTACOR03P.Topic 1, Continuous assessment of Topic 6	Core Course I Mycology and Plant Pathology , Course Code: BOTACOR03T. Unit 5,Class Test Ethnobotany(BOTSSECO2M)Unit 1 Class test of Unit 1
Week 5 to Week 8	Core Course I Mycology and Plant Pathology , Course Code: BOTACOR03P.Topic 7, Continuous assessment of topic 2,3	Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T.Unit 6, Class Test Ethnobotany(BOTSSECO2M) Unit 2 Class test of Unit 2
Week 9 to Week 12	Core Course I Mycology and Plant Pathology , Course Code: BOTACOR03P.Topic 8 Continuous assessment	Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T. Unit 7, Class Test Ethnobotany(BOTSSECO2M) Unit 2Class test of Unit 2

Week 13	Core Course I. Mycology and Plant Pathology, Course Code: BOTACOR03P.Topic 09, Continuous assessment of topic 9	Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T. Unit 28 Class Test Ethnobotany(BOTSSECO2M) Unit 3 Class test of Unit 3
Week 14	Internal 1	Examination
Week 15 to week 17	Core Course I. Mycology and Plant Pathology . Course Code: BOTACOR03P.Topic 10 ,11Continuous assessment	Core Course Mycology and Plant Pathology , Course Code: BOTACOR03T.Unit 39 Class Test Ethnobotany(BOTSSECO2M) Unit 3 Class test of Unit 3
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Odd Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B. Sc (Honours)

Semester I & V

Name of the Teacher: Dr. Bharati Mukhopadhyay Subject: Botany

Examination

Paper: Core Course I: Phycology and Microbiology. BOTACOR01T and BOTACOR01P, Core Course XII: Plant Physiology, Course Code: BOTACOR12T & BOTACOR12P,

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course I: Phycology and Microbiology (BOTACOR01P), Topic 1, Continuous assessment	Core Course I: Phycology and Microbiology (BOTACOR01T) unit 4
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 7, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 2, Class Test
Week 5 to Week 8	Core Course I: Phycology and Microbiology (BOTACOR01P), Topic 1, Continuous assessment	Core Course I: Phycology and Microbiology (BOTACOR01T) unit 5
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 8, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 3, Class Test
Week 9 to Week 12	Core Course I: Phycology and Microbiology (BOTACOR01P), Topic 2, Continuous assessment	Core Course I: Phycology and Microbiology (BOTACOR01T) unit 6
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 1 Demonstration, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 5, Class Test
Week 13	Core Course I: Phycology and Microbiology (BOTACOR01P), Topic 2, Continuous assessment	Core Course I: Phycology and Microbiology (BOTACOR01T) unit 7
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 2, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 5, Class Test
Week 14	Internal	Examination
Week 15 to week 17	Core Course I: Phycology and Microbiology (BOTACOR01P), Practical Mock Test, Continuous assessment	Core Course I: Phycology and Microbiology (BOTACOR01T) Revision, Tutorials
	Core Course XII: Plant Physiology (BOTACOR12T) Revision, Practice	Core Course XII: Plant Physiology (BOTACOR12T) Revision, Tutorials
Week18	Revision of Experiments, End Term	Revision, Question-Answer Analyses, End Term

Examination

Teaching Plan for Even Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B. Sc (Honours) Semester VI

Class: B. Sc (General) Semester IV G

Name of the Teacher: Dr. Bharati Mukhopadhyay Subject: Botany

Paper: Core Course XIII: Plant Metabolism

Course Code: BOTACOR13T and BOTACOR13P,

Discipline Specific Elective Analytical Techniques in Plant Sciences

Course Code: BOTADSE04T and BOTADSE04P

Paper: IVG Plant Physiology and Metabolism Course Code: BOTHGEC04T and BOTHGEC04P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Core Course XIII: Plant Metabolism	Core Course XIII: Plant Metabolism
to week 4	Course Code: BOTACOR13P	Course Code: BOTACOR13T
	Topic 3, Continuous assessment	Unit 2, Class Test
	Analytical Techniques BOTADSE04P	Analytical Techniques BOTADSE04T
	Topic 7, Continuous assessment	Unit 1, Class Test
	Plant Physiology and Metabolism	Plant Physiology and Metabolism
	Course Code: BOTHGEC04P	Course Code: BOTHGEC04T
	Topic 1, Topic 2, Continuous assessment	Unit 1: Plant-water relations, Unit 2: Mineral nutrition, Class Test
Week 5 to	Core Course XIII: Plant Metabolism	Core Course XIII: Plant Metabolism
Week 8	Course Code: BOTACOR13P	Course Code: BOTACOR13T
	Topic 4, Continuous assessment	Unit 2, Class Test
	Analytical Techniques BOTADSE04P	Analytical Techniques BOTADSE04T
	Topic 8, Continuous assessment	Unit 1, Class Test
	Plant Physiology and Metabolism Course Code: BOTHGEC04P	Plant Physiology and Metabolism Course Code: BOTHGEC04T
	Topic 3, Continuous assessment	Unit 3: Translocation in phloem, Unit 4: Photosynthesis,
	Topic 1- demonstration	Class Test

Week 9 to Week 12	Core Course XIII: Plant Metabolism Course Code: BOTACOR13P Topic 5, Continuous assessment Analytical Techniques BOTADSE04P Demonstration, Continuous assessment Plant Physiology and Metabolism Course Code: BOTHGEC04P Topic 2- demonstration Continuous assessment	Core Course XIII: Plant Metabolism Course Code: BOTACOR13T Unit 3, Class Test Analytical Techniques BOTADSE04T Unit 1, Revision, Class Test Plant Physiology and Metabolism Course Code: BOTHGEC04T Unit 5: Respiration, Class Test
Week 13	Core Course XIII: Plant Metabolism Course Code: BOTACOR13P Practical Mock Test, Continuous assessment	Core Course XIII: Plant Metabolism Course Code: BOTACOR13T Unit 7, Class Test
	Analytical Techniques BOTADSE04P Demonstration, Practical Mock Test, Continuous assessment	Analytical Techniques BOTADSE04T Class Test, Tutorials,
	Plant Physiology and Metabolism Course Code: BOTHGEC04P Practical Mock Test, Continuous assessment	Plant Physiology and Metabolism Course Code: BOTHGEC04T Class Tests, Tutorials
Week 14	Internal	 Examination
Week 15 to week 17	Core Course XIII: Plant Metabolism Course Code: BOTACOR13P Practical Mock Test, Continuous assessment	Core Course XIII: Plant Metabolism Course Code: BOTACOR13T Class Tests, Tutorials
	Analytical Techniques BOTADSE04P Demonstration, Practical Mock Test, Continuous assessment	Analytical Techniques BOTADSE04T Class Test, Tutorials,
	Plant Physiology and Metabolism Course Code: BOTHGEC04P Practical Mock Test, Continuous assessment	Plant Physiology and Metabolism Course Code: BOTHGEC04T Class Tests, Tutorials
Week18	Revision, End Term Examination	Revision, Question-Answer Analyses, End Term

Examination

Teaching Plan for Odd Semester, UG course, Department of Botany, Session(2020-2021)

Class: B.Sc. (Honours and General)

Name of the Teacher: DR. KAJARI LAHIRI.

Subject: Botany

Paper: Core Course II (BOTACOR02T, BOTACOR02P), Core Course XII (BOTACOR12T, BOTACOR12P),

Generic Elective-(BOTHGEC03T, BOTHGEC03P) - Plant Anatomy and Embryology

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Core Course II: BOTACOR02P - Biomolecules	Core Course II: BOTACOR02T(Biomolecules and
to week 4	and Cell Biology	Cell Biology)
	Topic 2, Continuous assessment	Unit 1 (Biomolecules), Class Test
	Core Course XII BOTACOR12P(Plant	Generic Elective: BOTHGEC03T (Plant anatomy
	Physiology)	and Embryology)
	Topic 4, Continuous assessment	Embryology- Unit 5: Structural organization of
		flower, Class Test
		Core Course XII BOTACOR12T(Plant Physiology)
		Unit 3 (Nutrient Uptake), Class test
Week 5 to week 8	Core Course II: BOTACOR02P (Biomolecules and Cell Biology)	Core Course II: BOTACOR02T (Biomolecules and Cell Biology)
Week	Topic 3, Continuous assessment	Unit 1(Biomolecules), Class Test
	Core Course XII: BOTACOR12P(Plant Physiology) Topic 5, Continuous assessment	Generic Elective: BOTHGEC03T (Plant anatomy and Embryology) Embryology -Unit 6: Pollination and fertilization, Class
	ropic s) continuous assessment	Test
		Core Course XII: BOTACOR12T(Plant Physiology) Unit 4: Translocation in the phloem:, Class test
Week 9 to Week 12	Core Course II: BOTACOR02P (Biomolecules and Cell Biology)	Core Course II: BOTACOR02T (Biomolecules and Cell Biology)
Week 12	Topic 4, Continuous assessment	Unit 1 (Biomolecules), Class Test
	Core Course XII: BOTACOR12P(Plant	Generic Elective: BOTHGEC03T (Plant anatomy and Embryology)
	Physiology)	Embryology- Unit 7: Embryo and endosperm, Class Test
	Topic 6, Continuous assessment	Core Course XII: BOTACOR12T(Plant Physiology) Unit 6: Physiology of flowering, Class test

Week 13	Core Course II : BOTACOR02P(Biomolecules and Cell Biology) Practical Mock Test	Core Course II: BOTACOR02T (Biomolecules and Cell Biology) Unit 1(Biomolecules), Class Test
	Core Course XII: BOTACOR12P(Plant	Generic Elective: BOTHGECO3T (Plant anatomy and
	Physiology)	Embryology)
	Topic4, 5 & Topic 6, Practical Mock Test	Embryology- Unit 8: Apomixis and polyembryony
		Core Course XII: BOTACOR12T(Plant Physiology) Unit 7: Phytochrome, crytochromes and phototropins) Class test
Week14	4 Internal Examina	tion
Week 15	Core Course II : BOTACOR02P (Biomolecules	Core Course II : BOTACOR02T(Biomolecules and Cell
to 17	and Cell Biology)	Biology)
	Mock Test on Topics 2,3,4	
		Mock Test on Unit 1(Biomolecules)
	Core Course XII: BOTACOR12P(Plant	
	Physiology)	Generic Elective: BOTHGEC03T (Plant anatomy and
	Mock Test on Topics on Topics 5&6	Embryology)
		Mock Test on Embryology units
		Core Course XII: BOTACOR12T(Plant Physiology)
		Mock Test on unit 3,4,6,7
Week 18	Revision, Practice for End Term	Revision and solving of question paper for End term
	Examination	Examination of topic of each semester.

Teaching Plan for Even Semester, UG course Department of Botany Session (2020-2021)

Class: B.Sc. (Honours and General)

Name of the Teacher: DR. KAJARI LAHIRI

Subject: Botany

Paper: Core Course IV (BOTACOR04T, BOTACOR04P), Core Course XIII (BOTACOR13T,

BOTACOR13P), Course code: DSE (BOTADSE04T, BOTADSE04P) Generic Elective (BOTHGEC04T,

BOTHGEC04P) Plant Physiology and Metabolism

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	Course Code: BOTACOR04P- (Archegoniate- Bryophytes)(- Topic 1, Topic 2, Continuous assessment	Course Code: BOTACOR04T- (Archegoniate- Bryophytes)- Unit 1 Class Test
	Generic Elective: BOTHGEC04P (Plant Physiology and Metabolism) Topic 1, Continuous assessment	Generic Elective: BOTHGEC04T (Plant Physiology and metabolism)- Unit 1: Plant-water relations, & Unit 2: Mineral nutrition Class Test.

	Core Course XIII: BOTACOR13P (Plant Metabolism) Topic 1, Continuous assessment –	Core Course XIII: BOTACOR13T(Plant Metabolism)- Unit 5: ATP-Synthesis, Class Test
	Course code: BOTADSE04P- (Analytical Techniques in Plant Sciences) - Topic 2, Continuous assessment	Course code: BOTADSE04T(Analytical Techniques in Plant Sciences)- Unit 2: Cell fractionation:, Class Test
Week 5 to week 8	Course Code: BOTACOR04P- Archegoniate-Bryophytes- Topic 3, Continuous assessment	Course Code: BOTACOR04T- Archegoniate- Bryophytes- Unit 2, Class Test
	Generic Elective: BOTHGEC04P (Plant Physiology and metabolism) Topic 3, Continuous assessment	Generic Elective: BOTHGEC04T (Plant Physiology and metabolism)- Unit3: Translocation in phloem, Class Test
	Core Course XIII: BOTACOR13P (Plant Metabolism)- Topic 2, Continuous assessment	Core Course XIII : BOTACOR13T (Plant Metabolism)- Unit 6:Lipid metabolism, Class Test
	Course code: BOTADSE04P (Analytical Techniques in Plant Sciences)- Topic 4, Continuous assessment	Course code: BOTADSE04T(Analytical Techniques in Plant Sciences)- Unit 3: Radioisotopes, Class Test
Week 9 to Week 12	Course Code: BOTACOR04P- Archegoniate Bryophytes- Topic 4, Continuous assessment	Course Code: BOTACOR04T- Archegoniate-Bryophytes- Unit 3, Class Test
	Generic Elective: BOTHGEC04P (Plant Physiology and metabolism) Topic 5, Continuous assessment	Generic Elective: BOTHGEC04T (Plant Physiology and metabolism)- Unit 6: Enzymes, Class Test
	Core Course XIII:BOTACOR13P (Plant Metabolism)- Topic 3, Continuous assessment	Core Course XIII: BOTACOR13T(Plant Metabolism)- Unit 8: Mechanisms of signal transduction, Class Test
	Course code: BOTADSE04P (Analytical Techniques in Plant Sciences)- Topic 5, Continuous assessment	Course code: BOTADSE04T(Analytical Techniques in Plant Sciences)- Unit 3:Radioisotopes, Class Test
Week 13	Course Code: BOTACOR04P- Archegoniate- Bryophytes- Topic 5, Continuous assessment	Course Code: BOTACOR04T- Archegoniate- Bryophytes-Unit 4, Class Test
	Generic Elective: BOTHGEC04P (Plant Physiology and metabolism) Topic 3 (DE), Topic 4 (DE), Continuous assessment	Generic Elective: BOTHGEC04T (Plant Physiology and metabolism)- Unit 9: Plant response to light and temperature,
	Core Course XIII:BOTACOR13P: (Plant Metabolism)- Topic 1, 2,3 Practical Mock Test	Core Course XIII: BOTACOR13T(Plant Metabolism)- Unit 8: Mechanisms of signal transduction, Class Test

	Course code : BOTADSE04P (Analytical Techniques in Plant Sciences)- Topic 2,4,5 Practical Mock Test	Course code: BOTADSE04T(Analytical Techniques in Plant Sciences)- Unit 4: Spectrophotometry, Class Test
Week	14 Internal	Examination
Week 15	Course Code: BOTACOR04P-	Course Code: BOTACOR04T- Archegoniate-
to 17	Archegoniate-(Bryophytes) Mock Test on topics-1,2,3,4,5	Mock Test n on Unit 1,2.3.4 Bryophytes
	, , , , , ,	Generic Elective: BOTHGEC04T (Plant Physiology and
	Generic Elective : BOTHGEC04P	metabolism)
	(Plant Physiology and	Mock Test on Unit 1,2,3,6,9
	metabolism)	Core Course XIII: BOTACOR13T(Plant Metabolism)
	Mock Test on topics-1,3,5 (DE)3,4	Mock Test on Unit 5 , 6, 8
	Core Course XIII: BOTACOR13P	Course code: BOTADSE04T(Analytical Techniques in Plant
	(Plant Metabolism)	Sciences)
	Mock Test on topics-1,2,3	Mock Test on Unit 2 , 3, 4
	Course code : BOTADSE04P	
	(Analytical Techniques in Plant	
	Sciences)	
	Mock Test on topics-2,4,5	
Week 18	Revision, Practice for End term	Revision and solving of question paper for End term
	examination	Examination of topic of each semester.

Teaching Plan for Odd Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: Dr. Santanu Saha

Semester I, III & V

Subject: Botany

Paper: Core Course V: Morphology and Anatomy(BOTACOR05T, BOTACOR05P), Skill Enhancement Course: Plant Diversity and Human Welfare (BOTSSEC01M), Discipline Specific Elective: Natural Resource Management Course Code: (BOTADSE01T, BOTADSE01P)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05P Topic 1, Continuous assessment Discipline Specific Elective: Natural Resource Management Course Code: BOTADSE01P Topic 1,2 Continuous assessment	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T Unit 4,5 Class Test Skill Enhancement Course: Plant Diversity and Human Welfare (BOTSSEC01M) Unit 1, 2 Class Test Discipline Specific Elective Natural Resource Management Course Code: BOTADSE01T Unit 1,2,3 Class Test
Week 5 to Week 8	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05P Topic 1, Continuous assessment Discipline Specific Elective: Natural Resource Management Course Code: BOTADSE01P Topic 1,2 Continuous assessment	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T Unit 6,7 Class Test Skill Enhancement Course: Plant Diversity and Human Welfare (BOTSSEC01M) Unit 1, 2 Class Test Discipline Specific Elective Natural Resource Management Course Code: BOTADSE01T Unit 1,2,3 Class Test
Week 9 to Week 12	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T Topic 2, Continuous assessment Discipline Specific Elective: Natural Resource Management Course Code: BOTADSE01P Topic 3,4 Continuous assessment	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T Unit 8, Class Test Skill Enhancement Course: Plant Diversity and Human Welfare (BOTSSEC01M) Unit 3, 4, Class Test Discipline Specific Elective Natural Resource Management Course Code: BOTADSE01T Unit 4,5,6 Class Test

Week 13	Core Course V: Morphology and Anatomy of	Core Course V: Morphology and Anatomy of Angiosperms
	Angiosperms Course Code: BOTACOR05P, Topic 2,	
	Continuous assessment	
		Skill Enhancement Course: Plant Diversity and Human
	Discipline Specific Elective : Natural Resource	Welfare (BOTSSEC01M) Unit 3, 4 Class Test

	Management Course Code: BOTADSE01P Topic 3,4 Continuous assessment	Discipline Specific Elective Natural Resource Management Course Code: BOTADSE01T Unit 7 Class Test
Week 14	Internal I	Examination
	<u>, </u>	
Week 15		Core Course V: Morphology and Anatomy of Angiosperms
to week 17	Angiosperms Course Code: BOTACOR05P, Practical Mock Test	Course Code: BOTACOR05T Unit 4,5,6,7,8,9 Class Test
	Discipline Specific Elective : Natural Resource Management Course Code: BOTADSE01P, Practical Mock Test	Skill Enhancement Course: Plant Diversity and Human Welfare (BOTSSEC01M) Unit 1,2,3, 4 Class Test
		Discipline Specific Elective Natural Resource Management Course Code: BOTADSE01T Unit 8,9 Class Test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: Dr. Santanu Saha

Subject: Botany

Paper: Core Course IV Archegoniate(BOTACOR04T, BOTACOR04P) Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T, BOTACOR09P), Plant Ecology and Taxonomy (BOTHGEC02T, BOTHGEC02P)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course IV: Archegoniate Course Code: BOTACOR04P) Topic: Unit 6,7, Continuous assessment	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit 4, Class Test
	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09P) Topic: Unit 1,2,3 Continuous assessment	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T) Topic: Unit 1,2,3 Class Test
	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02P) Topic 1 Continuous assessment	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02T) Topic: Unit 1 Class test
Week 5 to Week 8	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit8,9, Continuous assessment	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit 4, Class Test
	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09P) Topic: Unit 4,5,6 Continuous assessment	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T) Topic: Unit 4,5,6 Class Test

	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02P) Topic 2 Continuous assessment	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02T) Topic: Unit 2 class test
Week 9 to Week 12	Core Course IV: Archegoniate Course Code: BOTACOR04P) Topic: Unit 10, 11 Continuous assessment	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit 5 Class Test
	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09P), Topic : Unit 7,8 Continuous assessment	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T)Topic: Unit 7,8 Class Test
	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02P) Topic 3, Continuous assessment	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02T) Topic: Unit 3 class test

Week 13	Core Course IV: Archegoniate Course Code: BOTACOR04P) Field visit, Mock Practical test Core Course IX: Plant Ecology and Phytogeography (BOTACOR09P) Field visit, Mock Practical test	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit 5, Class Test Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T) Topic: Unit 9 Class Test
	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02P) Field visit Practical mock test	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02T) Topic: Unit 4 class test
Week 14	Internal	Examination
Week 15 to week 17	Core Course IV: Archegoniate Course Code: BOTACOR04P) Topic: Unit 12, 13 Continuous assessment, Practical Mock Test	Core Course IV: Archegoniate Course Code: BOTACOR04T) Topic: Unit 6, Class Test
	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09P) Topic: Unit 9,10 Continuous assessment, Practical Mock Test	Core Course IX: Plant Ecology and Phytogeography (BOTACOR09T) Topic: Unit 10 Class Test
	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02P) Topic 4, Topic 5 Continuous assessment	Generic Electives Course (GE): Plant Ecology and Taxonomy (BOTHGEC02T) Topic: Unit 5 class test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for ODD Semester, UG course, Department of BOTANY, Session (2020 - 2021)
Class: B.Sc (Honours) & B.Sc (General)
Semester I, III and V

Name of the Teacher: MOUSUMI MUKHOPADHYAY Subject: Botany

Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T/ Core

Course VI: Economic Botany Course Code: BOTACOR06T/ Core Course VI: Practical Course Code: BOTACOR06P/ Core Course XI: Reproductive Biology of Angiosperms

Course Code: BOTACOR11T/ Core Course XI Practical Course Code:

BOTACOR11P/Biodiversity (Microbes, Algae, Fungi and Archegoniate) Course Code:

BOTHGEC01T/Practical Course Code: BOTHGEC01P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course VI: Practical Course Code: BOTACOR06P: Topic 1 & Topic 2, Continuous assessment Core Course XI Practical Course Code: BOTACOR11P: Topic 1 & Topic 2, Continuous assessment. Practical Course Code: BOTHGEC01P: Topic 8, Topic 9, Continuous assessment	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T: Unit 1, Class Test Core Course VI: Economic Botany Course Code:BOTACOR06T Unit 1& Unit 2, Class Test Core Course XI: Reproductive Biology of Angiosperms Course Code: BOTACOR11T: Unit 1, Unit 2, Class Test Biodiversity (Microbes, Algae, Fungi and Archegoniate) Course Code: BOTHGEC01T: Unit 3: Fungi, Class Test
Week 5 to Week 8	Core Course VI: Practical Course Code: BOTACOR06P Topic 3, Topic 4 & Topic 5, Continuous assessment Core Course XI Practical Course Code: BOTACOR11P: Topic 3 & Topic 4, Continuous assessment. Practical Course Code: BOTHGEC01P: Topic 10, Topic 11, Topic 12, Continuous assessment	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T: Unit 2, Class Test Core Course VI: Economic Botany Course Code:BOTACOR06T: Unit 3, Unit 4 & Unit 5, Class Test. Core Course XI: Reproductive Biology of Angiosperms Course Code: BOTACOR11T: Unit 3 & Unit 4 Class Test Biodiversity (Microbes, Algae, Fungi and Archegoniate) Course Code: BOTHGEC01T: Unit 6: Pteridophytes, Class Test
Week 9 to Week 12	Core Course VI: Practical Course Code: BOTACOR06P: Topic 6 & Topic 7, Practical Mock Test Core Course XI Practical Course Code: BOTACOR11P: Topic 5 & Topic 6, Practical Mock Test. Practical Course Code: BOTHGEC01P: Topic 13, Topic 14, Practical Mock Test	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T: Unit 3, Mid Term Examination Core Course VI: Economic Botany Course Code:BOTACOR06T: Unit 6 & Unit 7, Mid Term Examination. Core Course XI: Reproductive Biology of Angiosperms Course Code: BOTACOR11T: Unit 5 & Unit 6, Mid Term Examination Biodiversity (Microbes, Algae, Fungi and Archegoniate) Course Code: BOTHGEC01T: U nit 7: Gymnosperms, Mid- Term Examination
Week 13	Core Course VI: Practical Course Code: BOTACOR06 Remedial classes for unit 6 Core Course XI Practical Course Code: BOTACOR11P Mock Test unit 4, Practical Course Code: BOTHGEC01P: Mock Test unit10,11	Course Code: BOTACOR05T: Tutorial for unit 1
Week 14	Interna	l Examination

to week 17	Core Course VI: Practical Course Code: BOTACOR06P Remedial classes for unit7 Core Course XI Practical Course Code: BOTACOR11P: Continuous assessment unit 5and 6 Practical Course Code: BOTHGEC01P: Mock Test unit 13 and 14	Core Course V: Morphology and Anatomy of Angiosperms Course Code: BOTACOR05T: Revision of unit 2 Core Course VI: Economic Botany Course Code: BOTACOR06T: Revision of unit 6 and 7 Core Course XI: Reproductive Biology of Angiosperms Course Code: BOTACOR11T: Revision unit 5 and 6 Tutorials.
		Biodiversity (Microbes, Algae, Fungi and Archegoniate) Course Code: BOTHGEC01T: Tutorial unit 3
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Semester II, IV and VI

Subject: Botany

Teaching Plan for EVEN Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: MOUSUMI MUKHOPADHYAY

Paper: Core Course III: Mycology and Phytopathology Course Code: BOTACOR03T/ Core Course: IV Practical

Course Code: BOTACOR03P

Core Course X: Plant Systematics Course Code: BOTACOR10T

Core Course X:Practical: Course Code: BOTACOR10P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course I. Mycology and Plant Pathology, Course Code: BOTACOR03P. Topic 1, Topic 2 & Topic 3, Continuous assessment Core Course X:Practical Course Code: BOTACOR10P Topic 1, Topic 2 (Botanical Excursion) & Topic 3 Continuous assessment. Practical Course Code: BOTHGEC02P Topic 6, Topic 7, Continuous assessment	Core Course I Mycology and Plant Pathology, Course Code: BOTACOR03T. Unit 1 & Unit 2, Class Test Core Course X: Plant Systematics Course Code: BOTACOR10T Unit 1 & Unit 2, Class Test Plant Ecology and Taxonomy Course Code: BOTHGEC02T U nit 6: Introduction to plant taxonomy, Unit 7: Identification, Unit 8: Taxonomic evidences from palynology, cytology, Class Test
Week 5 to Week 8	Core Course I Mycology and Plant Pathology , Course Code: BOTACOR03P. Topic 4, Topic 5 & Topic 6, Continuous assessment Core Course X:Practical Course Code: BOTACOR10P Topic 1 Topic 2 (Field Visit) & Topic 3, Continuous assessment Practical Course Code: BOTHGEC02P Topic 6, Topic 7, Continuous assessment	Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T. Unit 3, Unit 4 & Unit 5, Class Test Core Course X: Plant Systematics Course Code: BOTACOR10T Unit 3, Unit 4, Class Test Plant Ecology and Taxonomy Course Code: BOTHGEC02T Unit 8: phytochemistry and molecular data, Unit 9: Taxonomic hierarchy, Unit 10: Botanical nomenclature, Class Test
Week 9 to Week 12	Core Course I Mycology and Plant Pathology, Course Code: BOTACOR03P.Topic 1 and 2 Practical Mock Test Core Course X:Practical Course Code: BOTACOR10 Topic 2 (Field Visit) & Topic 3, Practical Mock Test Practical Course Code: BOTHGEC02P Practical Mock Test Unit 6	Core Course I. Mycology and Plant Pathology , Course Code: BOTACOR03T. Unit 6 & Unit 7, Mid Term Examination Core Course X: Plant Systematics Course Code: BOTACOR10T Unit 5, Unit 6, Mid Term Examination Plant Ecology and Taxonomy Course Code: BOTHGEC02T U nit 11: Classification , Unit 12: Numerical taxonomy and cladistics, Mid Term Examination

Week 13	Core Course I. Mycology and Plant Pathology,	Core Course I. Mycology and Plant Pathology , Course Code:
	Course Code: BOTACOR03P.Topic 3and 4,	BOTACOR03T. Revision, Tutorials, End Term Examination
	Continuous assessment	Core Course X: Plant Systematics
	Core Course X:Practical	Course Code: BOTACOR10T
	Course Code: BOTACOR10P	Tutorial classes on Topic- 2 and 3
	Practical Mock Test on Topic 3	Plant Ecology and Taxonomy Course Code: BOTHGEC02T
	Practical Course Code: BOTHGEC02P Practical Mock	Remedial classes for Unit 8, question-answer analysis unit 6&
	Test Unit 7	

vcology and Plant Pathology , ΓΑCOR03P.Topic 5 and 6	Core Course I Mycology and Plant Pathology , Course Code:
ment ractical ΓACOR10P r Practical viva Code: BOTHGEC02P Analysis of	BOTACOR03T.Unit 2 and 3 Class Test Core Course X: Plant Systematics Course Code: BOTACOR10T Remedial classes for Topic-5 Plant Ecology and Taxonomy Course Code: BOTHGEC02T Question-answer analysis for rest of the units.
iments End Term Examination	Revision, Question-Answer Analyses, End Term Examination
i	ments, End Term Examination

Teaching Plan for Odd Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: Dr. Kausik Majumder

Semester I, III & V

Subject: Botany

Paper: Core Course II: Bio-molecules and Cell Biology, Course Code: BOTACOR02T & BOTACOR02P, Core Course VII: Genetics, Course Code: BOTACOR07T & BOTACOR07P, Core Course XII: Plant Physiology, Course Code: BOTACOR12T & BOTACOR12P, Industrial and Environmental Microbiology, Course Code: BOTADSE03T, Plant Anatomy and Embryology, Course Code: BOTHGEC03T & BOTHGEC03P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
	mentionea)	
Week 1 to week 4	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 1, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 3, Class Test
	Core Course VII: Genetics (BOTACOR07P) Topic 2, Continuous assessment	Core Course VII: Genetics (BOTACOR07T) Unit 1, Class Test
	Core Course XII: Plant Physiology (BOTACOR12P) Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 1, Class Test
	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03P) Topic 1, Topic 2, Topic 3, Continuous assessment	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03T) Unit 1
Week 5 to Week 8	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 7, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 3, Class Test
	Core Course VII: Genetics (BOTACOR07P) Topic 2, Continuous assessment	Core Course VII: Genetics (BOTACOR07T) Unit 1, Class Test
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 1, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 1, Class Test
	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03P) Topic 4, Topic 5,Topic 7, Continuous assessment	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03T) Unit 2
Week 9 to Week 12	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 1, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 2, Class Test
	Core Course VII: Genetics (BOTACOR07P) Topic 4, Continuous assessment	Core Course VII: Genetics (BOTACOR07T) Unit 1, Class Test
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 1 (Demonstration), Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 4, Class Test
	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03P) Topic 8, Topic 9, Topic 10, Continuous assessment	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03T) Unit 3

Week 13	Core Course II: Bio-molecules and Cell Biology	Core Course II: Bio-molecules and Cell Biology
	(BOTACOR02P) Topic 7, Continuous assessment	(BOTACOR02T) Unit 2, Class Test
	Core Course VII: Genetics (BOTACOR07P) Topic 4, Continuous assessment	Core Course VII: Genetics (BOTACOR07T) Unit 6, Class Test
	Core Course XII: Plant Physiology (BOTACOR12P) Topic 2, Continuous assessment	Core Course XII: Plant Physiology (BOTACOR12T) Unit 4, Class Test
	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03P) Topic 11, Topic 12, Continuous assessment	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03T) Unit 4
Week 14	Internal l	Examination
Week 15	Core Course II: Bio-molecules and Cell Biology	Core Course II: Bio-molecules and Cell Biology
to week 17	(BOTACOR02P) Practical Mock Test	(BOTACOR02T) Unit 4, Class Test
	Core Course VII: Genetics (BOTACOR07P) Practical Mock Test	Core Course VII: Genetics (BOTACOR07T) Unit 6, Class Test
	Core Course XII: Plant Physiology (BOTACOR12P) Practical Mock Test	Core Course XII: Plant Physiology (BOTACOR12T) Unit 4, Class Test
	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03P) Practical Mock Test	Generic Electives Course (GE): Plant Anatomy and Embryology (BOTHGEC03T) Unit 4
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc (Honours) & B.Sc (General)

Name of the Teacher: Dr. Kausik Majumder

Semester II, IV & VI

Subject: Botany

Paper: Core Course XIII: Plant Metabolism, Course Code: BOTACOR13T & BOTACOR 13P, Core Course XIV: Plant Biotechnology, Course Code: BOTACOR14T & BOTACOR14P, Discipline Specific Elective Analytical Techniques in Plant Sciences, Course Code: BOTADSE04T & BOTADSE04P, Discipline Specific Elective Biostatistics, Course Code: BOTADSE06P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course XIII: Plant Metabolism (BOTACOR 13P) Topic 6, Continuous assessment	Core Course XIII: Plant Metabolism (BOTACOR13T) Unit 1, Class test
	Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 5, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 1, Class Test
	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04P) Topic 1, Continuous assessment	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T), Unit 1, Class Test
	Discipline Specific Elective Biostatistics (BOTADSE06P) Topic 1, Continuous assessment	Discipline Specific Elective Biostatistics (BOTADSE06T) Unit 1, Class Test
Week 5 to Week 8	Core Course XIII: Plant Metabolism (BOTACOR 13P) Topic 6, Continuous assessment	Core Course XIII: Plant Metabolism (BOTACOR13T) Unit 1, Class test
	Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 5, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 1, Class Test
	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04P) Topic 2, Continuous	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T), Unit 1, Class Test

	assessment	
	Discipline Specific Elective Biostatistics (BOTADSE06P) Topic 1, Continuous assessment	Discipline Specific Elective Biostatistics (BOTADSE06T) Unit 2, Class Test
Week 9 to Week 12	Core Course XIII: Plant Metabolism (BOTACOR 13P) Topic 7, Continuous assessment	Core Course XIII: Plant Metabolism (BOTACOR13T) Unit 1 Class test
	Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 6, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 1, Class Test
	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04P) Topic 3, Continuous assessment	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T), Unit 6, Class Test
	Discipline Specific Elective Biostatistics (BOTADSE06P) Topic 2, Continuous assessment	Discipline Specific Elective Biostatistics (BOTADSE06T) Unit 3, Class Test
Week 13	Core Course XIII: Plant Metabolism (BOTACOR 13P) Topic 7, Continuous assessment	Core Course XIII: Plant Metabolism (BOTACOR13T) Unit 4, Class test
	Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 6, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 5, Class Test
	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T) Topic 6, Continuous assessment	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T), Unit 7, Class Test
	Discipline Specific Elective Biostatistics (BOTADSE06P) Topic 3, Continuous assessment	Discipline Specific Elective Biostatistics (BOTADSE06T) Unit 4, Class Test
Week 14	Internal I	Examination
Week 15 to week 17	Core Course XIII: Plant Metabolism (BOTACOR 13P) Practical Mock Test	Core Course XIII: Plant Metabolism (BOTACOR13T) Unit 4, Class test
	Core Course XIV: Plant Biotechnology (BOTACOR14P) Practical Mock Test	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 5, Class Test
	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04P) Practical Mock Test	Discipline Specific Elective Analytical Techniques in Plant Sciences (BOTADSE04T), Unit 7, Class Test
	Discipline Specific Elective Biostatistics (BOTADSE06P) Practical Mock Test	Discipline Specific Elective Biostatistics (BOTADSE06T) Unit 5, Class Test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Odd Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc. (Hons)

Name of the Teacher: Dr. Subhadipa Sengupta

Semester I, III & V

Subject: Botany

Paper: Core Course II: Bio-molecules and Cell Biology, Course Code: BOTACOR02T & BOTACOR02P, Core Course VII: Genetics, Course Code: BOTACOR07T & BOTACOR07P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 5, Continuous assessment Core Course VII: Genetics (BOTACOR07P) Topic 1a, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 6, Class Test Core Course VII: Genetics (BOTACOR07T) Unit 1, Class Test Genetics (BOTACOR07T) Unit 2, Class Test
Week 5 to Week 8	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 5, Continuous assessment Core Course VII: Genetics (BOTACOR07P) Topic 1b, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 6, Class Test Core Course VII: Genetics (BOTACOR07T) Unit 3, Class Test Genetics (BOTACOR07T) Unit 4.
Week 9 to Week 12	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 6, Continuous assessment Core Course VII: Genetics (BOTACOR07P) Topic 3, Topic 5, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 7, Class Test Core Course VII: Genetics (BOTACOR07T) Unit 4, Class Test

Week 13	Core Course II: Bio-molecules and Cell Biology (BOTACOR02P) Topic 8, Continuous assessment Core Course VII: Genetics (BOTACOR07P) Topic 6, Topic 7, Continuous assessment	Core Course II: Bio-molecules and Cell Biology (BOTACOR02T) Unit 7, Class Test Core Course VII: Genetics (BOTACOR07T) Unit 5, Class Test
Week 14	Internal	Examination
Week 15	Core Course II: Bio-molecules and Cell Biology	Core Course II: Bio-molecules and Cell Biology
to week 17	(BOTACOR02P) Practical Mock Test	(BOTACOR02T) Unit 6 and unit 7 revision, Class Test
	Core Course VII: Genetics (BOTACOR07P) Practical Mock Test	Core Course VII: Genetics (BOTACOR07T) Unit 6, Class Test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, UG course, Department of BOTANY, Session (2020 - 2021)

Class: B.Sc. (Hons)

Name of the Teacher: Dr. Subhadipa Sengupta

Semester II, IV & VI

Subject: Botany

Paper: Core Course VIII: Molecular Biology, Course Code: BOTACOR08T & BOTACOR08P, Core Course XIV: Plant Biotechnology, Course Code: BOTACOR14T & BOTACOR14P

Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Core Course VIII: Molecular Biology (BOTACOR08P) Topic 1, Continuous assessment	Core Course VIII: Molecular Biology (BOTACOR08T) Unit 1, Class Test
Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 1a, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 2, Class Test Genetics (BOTACOR07T) Unit 2, Class Test
Core Course VIII: Molecular Biology (BOTACOR08P) Topic 2 & 3, Continuous assessment	Core Course VIII: Molecular Biology (BOTACOR08T) Unit 2 & 3, Class Test Core Course XIV: Plant Biotechnology (BOTACOR14T)
Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 1b, Continuous assessment	Unit 3, Class Test Genetics (BOTACOR07T) Unit 4.
Core Course VIII: Molecular Biology (BOTACOR08P) Topic 4 & 5, Continuous assessment	Core Course VIII: Molecular Biology (BOTACOR08T) Unit 4 & 5, Class Test
Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 2 & 3, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 4, Class Test
Core Course VIII: Molecular Biology (BOTACOR08P) Topic 6 & 7, Continuous	Core Course VIII: Molecular Biology (BOTACOR08T) Unit 6, Class Test
Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 4 & 5, Continuous assessment	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 5, Class Test
Internal	Examination
Core Course VIII: Molecular Biology (BOTACOR08P) Practical Mock Test	Core Course VIII: Molecular Biology (BOTACOR08T) Unit 7, revision, Class Test
Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 6, Practical Mock Test	Core Course XIV: Plant Biotechnology (BOTACOR14T) Unit 5, Class Test
	to be mentioned) Core Course VIII: Molecular Biology (BOTACOR08P) Topic 1, Continuous assessment Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 1a, Continuous assessment Core Course VIII: Molecular Biology (BOTACOR08P) Topic 2 & 3, Continuous assessment Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 1b, Continuous assessment Core Course VIII: Molecular Biology (BOTACOR08P) Topic 4 & 5, Continuous assessment Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 2 & 3, Continuous assessment Core Course VIII: Molecular Biology (BOTACOR14P) Topic 6 & 7, Continuous assessment Core Course XIV: Plant Biotechnology (BOTACOR08P) Topic 6 & 5, Continuous assessment Core Course XIV: Plant Biotechnology (BOTACOR14P) Topic 4 & 5, Continuous assessment Internal Core Course VIII: Molecular Biology (BOTACOR08P) Practical Mock Test Core Course XIV: Plant Biotechnology

Ī	Week18	Revision of Experiments, End Term	Revision, Question-Answer Analyses, End Term
		Examination	Examination

Teaching Plan for Odd Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: PG Semester I, III

Name of the Teacher: BENUDHAR MANDAL Subject: Botany

Paper: Core Course I. Plant Virus and Bacteria, (Departmental 4) BOTPCORO4T, BOTPCOR04P), Biosafety and laboratory practices (BOT P GEC01)

S. No	Practical syllabus to be covered (Paper code to be mentioned) BOTPCOR04P)	Theory syllabus to be covered (Paper code to be mentioned) BOTPCORO4T Biosafety and laboratory practices (BOT P GEC01)
Week 1 to week 4	Core Course I. Plant Virus and Bacteria (BOTPCOR04P), Topic,-Bacterial diversity from various habitats, Continuous assessment.	Core Course I. Plant Virus and Bacteria (BOTPCOR04T) Topic 1, Class test. Biosafety and laboratory practices (BOT P GEC01) Topic -5 Class test.
Week 5 to Week 8	Core Course I. Plant Virus and Bacteria (BOTPCOR04P), Topic,-Bacterial diversity from various habitats, Continuous assessment.	Core Course I. Plant Virus and Bacteria (BOTPCOR04T) Topic 1, Class test. Biosafety and laboratory practices (BOT P GEC01) Topic -5 Class test.
Week 9 to Week 12	Core Course I. Plant Virus and Bacteria (BOTPCOR04P), Topic,-Identification of plant pathogenic bacteria through microscopic & biochemical study, Continuous assessment.	Core Course I. Plant Virus and Bacteria (BOTPCOR04T) Topic 2,, Class test. Biosafety and laboratory practices (BOT P GEC01) Topic -6 Class test.

Week 13	Core Course I. Plant Virus and Bacteria (BOTPCOR04P), Topic,-bacterial growth curve determination, Continuous assessment.	Core Course I. Plant Virus and Bacteria (BOTPCOR04T) Topic 3, Class test. Biosafety and laboratory practices (BOT P GEC01) Topic -6 Class test.
Week 14		Midterm Examination
Week 15 to week 17	Core Course I. Plant Virus and Bacteria (BOTPCOR04P) Topic-bacterial plasmid isolation, Continuous assessment.	Core Course I. Plant Virus and Bacteria (BOTPCOR04T) Topic 4, Class test. Biosafety and laboratory practices (BOT P GEC01) Topic -7 Class test.
Week18	Revision of Experiments,& End Term Examination.	Revision, Question-Answer Analyses, &End Term Examination

Teaching Plan for EVEN Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: PG Semester II,
Name of the Teacher: BENUDHAR MANDAL Subject: Botany

Paper: Core Course I. Plant Pathology and Crop protection (Departmental 8) Course Code: BOTPCOR08T & BOTPCOR08P.

S. No	Practical syllabus to be covered (Paper code to be mentioned) Course Code: BOTPCOR08P	Theory syllabus to be covered (Paper code to be mentioned) Course Code: BOTPCOR08T
Week 1 to week 4	Core Course I. Plant Pathology and crop protection, Course Code: BOTPCOR08P.Topic 1, Continuous assessment of Topic 1	Core Course Core Course I. Plant Pathology and Crop protection, Course Code: BOTPCOR08T, Crop protection Unit 1 Class Test
Week 5 to Week 8		Core Course Core Course I. Plant Pathology and crop protection, Course Code: BOTPCOR08T, Crop protection Unit 2Class Test
Week 9 to Week 12		Core Course Core Course I. Plant Pathology and crop protection, Course Code: BOTPCOR08T, Crop protection Unit 2 Class Test

Week 13	Core Course I. Plant Pathology and Crop protection, Course Code: BOTPCOR08P.Topic 4, Continuous assessment of Topic 4	Core Course Core Course I. Plant Pathology and crop protection, Course Code: BOTPCOR08T, Crop protection Unit 2 Class Test
Week 14		Midterm Examination
Week 15 to week 17	Core Course I. Plant Pathology and Crop protection, Course Code: BOTPCOR08P.Topic 5, Continuous assessment of Topic 5	Core Course Core Course I. Plant Pathology and crop protection, Course Code: BOTPCOR08T, Crop protection Unit 2 Class Test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Odd Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M. Sc Semester I & III

Name of the Teacher: Dr. Bharati Mukhopadhyay Subject: Botany

Paper: Core Course : Integrated Life Sciences (Departmental 1)

BOTPCOR01T

Core Course: Diversity of Plant Life-Algae & Bryophytes (Departmental 2)

BOTPCOR02T

Core Course: Laboratory Course (Departmental 5)

BOTPCOR05P

Core Course: Plant Physiology & Biochemistry (Departmental 12)

BOTPCOR12T

Core Course: Laboratory Course- Plant Physiology & Biochemistry (Departmental 15)

BOTPCOR15P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory Course Diversity of Plant Life-Algae & Bryophytes BOTPCOR05P Topic 1, Continuous Assessment	Integrated Life Sciences (Departmental 1) BOTPCOR01T Topic 1, Class Test
	Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P	Diversity of Plant Life-Algae & Bryophytes (Departmental 2) BOTPCOR02T Industrial Phycology, Class Test Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T
	According to theoretical syllabus, Continuous Assessment	Photosynthesis, Respiration and photorespiration, Class Test
Week 5 to Week 8	Laboratory Course Diversity of Plant Life-Algae & Bryophytes BOTPCOR05P Topic 1, Continuous Assessment	Diversity of Plant Life-Algae & Bryophytes (Departmental 2) BOTPCOR02T Algal Biotechnology, Class Test
	Laboratory Course- Plant Physiology & Biochemistry	Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T
	(Departmental 15) BOTPCOR15P According to theoretical syllabus, Continuous Assessment	Nitrogen metabolism, Class Test

,

Laboratory Course Diversity of Plant Life-Algae & Bryophytes BOTPCOR05P Practical Mock Test	Diversity of Plant Life-Algae & Bryophytes (Departmental 2) BOTPCOR02T Mid Term Examination
Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P Practical Mock Test	Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Plant hormones, Mid Term Examination

	Revision of Experiments,	Revision, Question-Answer Analyses,
Week 18	End Term Examination	End Term Examination
	End Term Examination	End Term Examination

Teaching Plan for Even Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M. Sc Semester II & IV

Name of the Teacher: Dr. Bharati Mukhopadhyay Subject: Botany

Paper: Core Course: Diversity of Plant Life - Pteridophytes, Gymnosperms, Paleobotany & Palynology

(Departmental 9) BOTPCOR09T

Core Course: DSE 2: Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T

Core Course: Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P

Advanced Plant Physiology & Biochemistry

Core Course: Laboratory Course-Seminar Presentation (Departmental 19) BOTPCOR19P

Core Course: Dissertation Project Work (Departmental 20) BOTPCOR20P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory course of DSE 2 & 3 (Departmenta 18) BOTPCOR18P Advanced Plant Physiology & Biochemistry According to theoretical syllabus, Continuous Assessment	DSE 2: Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T Photosynthesis, Class Test
Week 5 to Week 8	Laboratory course of DSE 2 & 3 (Departmenta 18) BOTPCOR18P Advanced Plant Physiology & Biochemistry According to theoretical syllabus, Continuous Assessment Laboratory Course- Seminar Presentation] (Departmental 19) BOTPCOR19P Seminar preparation by the students, presenting the work done (either be a review or a practical project.) using ICT tools.	I Diversity of Plant Life - Pteridophytes, Gymnosperms, Paleobotany & Palynology (Departmental 9) BOTPCOR09T Genetics and reproductive biology of ferns DSE 2: Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T Respiration and photorespiration, Class Test

Week 12	18) BOTPCOR18P	Gymnosperms, Paleobotany & Palynology
	Advanced Plant Physiology & Biochemistry	(Departmental 9) BOTPCOR09T
		Mid Term Examination
	Practical Mock Test Laboratory Course- Seminar Presentation]	DSE 2: Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T
	(Departmental 19) BOTPCOR19P Seminar preparation by the students, presenting	Carbohydrate Metabolism, Mid Term Examination
	the work done (either be a review or a practical	Dissertation Project Work (Departmental 20)
	project.) using ICT tools	BOTPCOR20

Week 13 to Week 18	Revision of Experiments, Seminar Presentation	Dissertation Project Work (Departmental 20) BOTPCOR20P
	End Term Examination	The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.
		Revision, Question-Answer Analyses,
		End Term Examination

Teaching Plan for Odd Semester, PG course, Department of Botany, Session(2020-2021)

Class: M.Sc. Semester I, III
Name of the Teacher: DR. KAJARI LAHIRI. : Subject: Botany

Paper: COURSE CODE: BOTPCOR01T (Departmental 1) INTEGRATED LIFE SCIENCES, COURSE CODE: BOTPCOR02T (Departmental 2)- DIVERSITY OF PLANT LIFE-ALGAE & BRYOPHYTES, COURSE CODE: BOTPCOR05P (Departmental 5)- LABORATORY COURSE, COURSE CODE: BOTPCOR12T (Departmental 12) - PLANT PHYSIOLOGY & BIOCHEMISTRY, COURSE CODE: BOTPDSE01T, (Departmental 13) DSE1-PLANT DEVELOPMENTAL BIOLOGY AND ANATOMY, COURSE CODE: BOTPCOR15P (Departmental 15) LABORATORY COURSE-PLANT PHYSIOLOGY & BIOCHEMISTRY

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	COURSE CODE: BOTPCOR05P (Departmental	COURSE CODE: BOTPCOR01T (Departmental 1)
to week 4	5) - Bryophytes- Continuous assessment.	INTEGRATED LIFE SCIENCES,
		Unit-2: Membrane structure and function, Class
	BOTPCOR15P (Departmental 15)	Test
	LABORATORY COURSE-Plant Physiology &	
	Biochemistry - according to the theoretical	COURSE CODE: BOTPCOR12T (Departmental 12) -
	syllabus, Continuous assessment	PLANT PHYSIOLOGY & BIOCHEMISTRY
		Unit-1:Membrane Transport, Class Test
Week 5 to	COURSE CODE: BOTPCOR05P (Departmental	COURSE CODE: BOTPCOR02T (Departmental 2)-
week 8	5)- Unit -3 Bryophytes- Continuous	DIVERSITY OF PLANT LIFE-ALGAE & BRYOPHYTES
	assessment.	Bryophytes-Unit 5- Anisospory and sexual dimorphism.
		Cytogenetics of bryophytes. Expression of genes under
	BOTPCOR15P (Departmental 15)	stress conditions. Class test
	LABORATORY COURSE-Plant Physiology &	
	Biochemistry - according to the theoretical	COURSE CODE: BOTPCOR12T (Departmental 12) -
	syllabus, Continuous assessment.	PLANT PHYSIOLOGY & BIOCHEMISTRY
		Unit7: Sensory Photobiology, Class Test
Week 9 to	COURSE CODE: BOTPCOR05P (Departmental	COURSE CODE: BOTPCOR02T (Departmental 2)-
Week 12	5)- Unit -3 Bryophytes- Continuous	DIVERSITY OF PLANT LIFE-ALGAE & BRYOPHYTES
	assessment.	Bryophytes-Unit 6- Hormonal regulation of
		gametophyte development in bryophytes. Class Test
	COURSE CODE: BOTPCOR14P	
	BOTPCOR15P (Departmental 15)	COURSE CODE: BOTPCOR12T (Departmental 12) -
	LABORATORY COURSE-Plant Physiology &	PLANT PHYSIOLOGY & BIOCHEMISTRY
	Biochemistry - according to the theoretical syllabus, Continuous assessment.	Unit7: Sensory Photobiology, Class Test

		COURSE CODE: BOTPDSE01T, (Departmental 13) DSE1 PLANT DEVELOPMENTAL BIOLOGY AND ANATOMY Unit-1: Seed germination and seedling growth, Class Test
Week 13	COURSE CODE: BOTPCOR05P (Departmental 5)- Unit -3, Bryophytes- Continuous assessment. BOTPCOR15P (Departmental 15) LABORATORY COURSE-Plant Physiology & Biochemistry- according to the theoretical syllabus, Continuous assessment.	COURSE CODE: BOTPCOR02T (Departmental 2)- DIVERSITY OF PLANT LIFE-ALGAE & BRYOPHYTES Bryophytes-Unit 8- Bryophyte chemistry and its taxonomic implications. Biologically active compounds in bryophytes. Class test COURSE CODE: BOTPCOR12T (Departmental 12) - PLANT PHYSIOLOGY & BIOCHEMISTRY Unit-9:Stress physiology COURSE CODE: BOTPDSE01T, (Departmental 13) DSE1
		PLANT DEVELOPMENTAL BIOLOGY AND ANATOMY
		Unit-10: Senescence and programmed cell death (PCD) Class Test
Week14	4 Internal Examina	tion
Week 15 to 17	COURSE CODE: BOTPCOR05P (Departmental 5)- Mock test on Unit -3 Bryophytes	COURSE CODE: BOTPCOR01T (Departmental 1) INTEGRATED LIFE SCIENCES Mock Test on Unit-2: Membrane structure and function
	BOTPCOR15P (Departmental 15) LABORATORY COURSE-Plant Physiology & Biochemistry- Mock Test on Practical (Experiments	COURSE CODE: BOTPCOR02T (Departmental 2)- Mock Test on Unit-2 on Unit-5,6,8 COURSE CODE: BOTPCOR12T (Departmental 12) -
	performed)	PLANT PHYSIOLOGY & BIOCHEMISTRY Unit-9:Stress physiology, Class Test
Week 18	Revision, End Term Examination	Revision and analysis of questions for End term Examination of topic of each semester.

Teaching Plan for Even Semester, PG course Department of Botany Session (2020-2021)

Class: M.Sc. Semester II, IV
Name of the Teacher: DR. KAJARI LAHIRI Subject: Botany

Paper: COURSE CODE: BOTPCOR08T (Departmental 8) PLANT PATHOLOGY & CROP PROTECTION, COURSE CODE: BOTPDSE02T (Departmental 16)- ADVANCED PLANT PHYSIOLOGY& BIOCHEMISTRY, BOTPDSE03T, Laboratory course of DSE 2 (Departmental 18) BOTPCOR18P Laboratory Course-Seminar Presentation, (Departmental 19) BOTPCOR19P, Dissertation, Project Work, (Departmental 20) BOTPCOR20P

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)

Week 1		COURSE CODE: BOTPCOR08T (Departmental 8) PLANT
to week 4	Laboratory course of DSE 2	PATHOLOGY & CROP PROTECTION
to week 4	(Departmental 18)	Plant pathology- Unit-2- Mechanism of disease resistance,
	BOTPCOR18P,- According to	Class test
	theoretical syllabus,	
	Continuous Assessment	
	Dissertation Project Work	
	(Departmental 20)	
	BOTPCOR20P, The dissertation will	COURSE CODE: BOTPDSE02T (Departmental 16)-
	be based on the Departmental 16	ADVANCED PLANT PHYSIOLOGY& BIOCHEMISTRY
	(DSE2) & Departmental 17 (DSE3)	Unit 1: Programmed cell death, Class Test
	opted by the student. The outcome	
	is to be presented in Departmental	
	19.(P). The project work can either	
	be a review or a practical project	
	which on completion will have to	
	be presented as a dissertation. The	
	topic of the review/project will be finalized after	
	discussion with the concerned	
	teacher.	
Week 5 to	teacher.	COURSE CODE: BOTPCOR08T (Departmental 8) PLANT
week 8	Laboratory course of DSE 2	PATHOLOGY & CROP PROTECTION
week o	(Departmental 18)	Plant pathology- Unit-3- Gene for gene hypothesis, Class Test
	BOTPCOR18P, According to	Traine pathology of the 3 defice for gene hypothesis, class rest
	theoretical syllabus,	COURSE CODE: BOTPDSE02T (Departmental 16)- ADVANCED
	Continuous Assessment	PLANT PHYSIOLOGY& BIOCHEMISTRY
		Unit 1-Programmed cell death, Class Test
	Dissertation Project Work	
	(Departmental 20)	
	BOTPCOR20P, The dissertation will	
	be based on the	
	Departmental 16 (DSE2) &	
	Departmental 17 (DSE3)	
	opted by the student. The outcome	
	is to be presented	
	in Departmental 19.(P). The project work can either	
	be a review or a practical project	
	which on	
	completion will have to be	
	presented as a dissertation.	
	The topic of the review/project will	
	be finalized after discussion with	
	the concerned teacher.	
Week 9 to		COURSE CODE: BOTPCOR08T (Departmental 8) PLANT
Week 12	(Departmental 18)	PATHOLOGY & CROP PROTECTION
	BOTPCOR18P, According to	Plant pathology- Unit-7- Host-pathogen interaction, Class Test
	theoretical syllabus,	COURSE CORE ROTROCTORY (Described and AC), ADVANCED
	Continuous Assessment	COURSE CODE: BOTPDSE02T (Departmental 16)- ADVANCED

Dissertation Project Work (Departmental 20)

BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19.(P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.

PLANT PHYSIOLOGY& BIOCHEMISTRY

Unit-2: Stress physiology, Class Test

Week 13

Laboratory course of DSE 2 (Departmental 18) BOTPCOR18P, According to theoretical syllabus, Continuous Assessment

Dissertation Project Work (Departmental 20)

BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19. (P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.

COURSE CODE: BOTPCOR08T (Departmental 8) PLANT PATHOLOGY & CROP PROTECTION

Plant pathology- Unit-7- Host-pathogen interaction, Class Test

COURSE CODE: BOTPDSE02T (Departmental 16)- ADVANCED PLANT PHYSIOLOGY& BIOCHEMISTRY

Unit-: 3: Oxidative and nitrosative stress and antioxidative strategies:, Class Test

Week 14

Internal Examination

Week 15 to 17

Laboratory course of DSE 2 (Departmental 18) BOTPCOR18P-

Practical Mock Test

Seminar presentation by the students, It will consist of presenting the work done in Departmental 20 (which can either be a review or a practical project.)

COURSE CODE: BOTPCOR08T (Departmental 8) PLANT PATHOLOGY & CROP PROTECTION-

Mock test of Plant Pathology units

COURSE CODE: BOTPDSE02T (Departmental 16)- ADVANCED PLANT PHYSIOLOGY& BIOCHEMISTRY

Unit-7: Secondary metabolites and their biotechnological aspects, Class Test

	in the form of a seminar using ICT tools.	
Week 18	Revision, Practice for End term examination	Revision, solving and analysis of questions for End term Examination of topic of each semester.

Teaching Plan for Odd Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M.Sc. Semester I, III
Name of the Teacher: Dr. Santanu Saha Subject: Botany

Paper: AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M)

Discipline Specific Elective (DSE)1: Plant Developmental Biology and Plant Anatomy

(BOTPDSE01T)

Laboratory Course - Plant Physiology & Biochemistry (BOTPCOR15P)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Anatomy Laboratory Course(BOTPCOR15P) Topic 1,	AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M) Topic 1, Class Test DSE 1: Plant Developmental Biology and Plant Anatomy (BOTPDSE01T) Topic 3 Class test
Week 5 to Week 8	Anatomy Laboratory Course(BOTPCOR15P) Topic 2, continuous assessment	AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M) Topic 2, Class Test DSE 1: Plant Developmental Biology and Plant Anatomy (BOTPDSE01T) Topic 4 Class test
Week 9 to Week 12	Anatomy Laboratory Course(BOTPCOR15P)Topic 7, continuous assessment	AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M) Topic 3, Class Test DSE 1: Plant Developmental Biology and Plant Anatomy (BOTPDSE01T) Topic 5 Class test
Week 13	Anatomy Laboratory Course(BOTPCOR15P) Topic 8,	AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M) Topic 4, Class Test DSE 1: Plant Developmental Biology and Plant Anatomy (BOTPDSE01T) Topic 6 Class test
Week 14	Internal Examination	
Week 15 to week 17	Anatomy Laboratory Course (BOTPCOR15P)Topic 9, continuous assessment	AECC 1: Understanding and Presenting Scientific Literature (BOTPAEC01M) Topic 5,6 Class Test DSE 1: Plant Developmental Biology and Plant Anatomy (BOTPDSE01T) Topic 7 Class test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M.Sc. Semester II, IV
Name of the Teacher: Dr. Santanu Saha Subject: Botany

Paper: Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T)

Skill Enhancement Course (SEC): Biodiversity & Conservation (BOTPSEC01T)

Laboratory Course: BOTPCOR10P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course: Plant Ecology and Environmental Biology: Laboratory Course (BOTPCOR10P) Topic 1, continuous assessment Field visit	Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T) Topic 1, 2 Class Test SEC: Biodiversity & Conservation (BOTPSEC01T) Topic 1,2 Class test
Week 5 to Week 8	Core Course: Plant Ecology and Environmental Biology :Laboratory Course (BOTPCOR10P) Topic 2, 3 continuous assessment Field visit	Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T) Topic 3,4, Class Test SEC: Biodiversity & Conservation (BOTPSEC01T) Topic 3,4 Class test
Week 9 to Week 12	Core Course: Plant Ecology and Environmental Biology :Laboratory Course (BOTPCOR10P) Topic 4, 5, 6 continuous assessment	Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T) Topic 5,6, 7 Class Test SEC: Biodiversity & Conservation (BOTPSEC01T) Topic 5,6 Class test
Week 13	Core Course: Plant Ecology and Environmental Biology :Laboratory Course (BOTPCOR10P) Topic 7, continuous assessment	Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T) Topic 8, Class Test SEC: Biodiversity & Conservation (BOTPSEC01T) Topic 7 Class test
Week 14	Internal 1	Examination
Week 15 to week 17	Core Course: Plant Ecology and Environmental Biology :Laboratory Course (BOTPCOR10P) Topic 8, 9 continuous assessment	Core Course: Plant Ecology and Environmental Biology (BOTPCOR07T) Topic 9, 10 Class Test SEC: Biodiversity & Conservation (BOTPSEC01T)Topic 8 Class test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for ODD Semester, PG course, Department of BOTANY, Session (2020 - 2021)
Class: MSc Semester I AND III
Name of the Teacher: MOUSUMI MUKHOPADHYAY Subject: Botany

Core course: Fungal & Oomycete Biology (Departmental 3) BOTPCOR03T/ Laboratory Course (Departmental 5) BOTPCOR05P/ DSE1: Phytochemistry and Pharmacognosy (Departmental 13) BOTPDSE01T/ Laboratory Course- Plant Physiology & Biochemistry(Departmental 15) BOTPCOR15P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory Course- Plant Physiology & Biochemistry According to	Fungal & Oomycete Biology (Departmental 3) BOTPCOR03T: Topic 1, Class Test DSE1: Phytochemistry and Pharmacognosy (Departmental 13) BOTPDSE01T: Phytochemistry and Pharmacognosy: Introduction, history, & scope, Classification and pharmacological action of plant drugs, Class Test
Week 5 to Week 8	(Departmental 5) BOTPCOR05P: Fungi & Oomycete: Topic 1, Continuous Assessment	Fungal & Oomycete Biology (Departmental 3) BOTPCOR03T: Topic 2, Topic 3, Class Test DSE1: Phytochemistry and Pharmacognosy (Departmental 13) BOTPDSE01T: Phytochemistry and Pharmacognosy: Ethanopharmacognosy and Ethanomedicine, Class Test
Week 9 to Week 12	Laboratory Course- Plant Physiology & Biochemistry	Fungal & Oomycete Biology (Departmental 3) BOTPCOR03T: Topic 8, Mid Term Examination DSE1: Phytochemistry and Pharmacognosy (Departmental 13) BOTPDSE01T: Phytochemistry and Pharmacognosy: Ethanopharmacognosy and Ethanomedicine, Mid Term Examination
Week 13	Laboratory Course (Departmental 5) BOTPCOR05P: Fungi & Oomycete Revision of Experiments Laboratory Course- Plant Physiology & Biochemistry(Departmental 15) BOTPCOR15P: Revision of Experiments.	Fungal & Oomycete Biology(Departmental 3) BOTPCOR03T: Revision, Problems analyses, End Term Examination DSE1: Phytochemistry and Pharmacognosy (Departmental 13) BOTPDSE01T: Phytochemistry and Pharmacognosy:Revision, Problems analyses.
Week 14	Internal Examination	
Week 15 to 17	Laboratory Course (Departmental 5) BOTPCOR05P: Fungi & Oomycete Revision of Experiments, Mock Test	DSE1: Phytochemistry and Pharmacognosy : (Departmental 13) BOTPDSE01T: Phytochemistry and Pharmacognosy: Revision, Problems analyses, Tutorial
Week 18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for ODD Semester, PG course, Department of BOTANY, Session (2020 - 2021)
Class: MSc
Semester II AND IV

Name of the Teacher: MOUSUMI MUKHOPADHYAY

Subject: Botany

Core course: Angiosperm Systematics (Departmental 6) BOTPCOR06T/Laboratory Course (Departmental 10) BOTPCOR10P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory Course (Departmental 10) BOTPCOR10P: Topic 1, Topic 2, Topic 3, Continuous Assessment	Angiosperm Systematics (Departmental 6) BOTPCOR06T: Botanical Nomenclature, Major systems of angiosperm classification, Taxonomic evidences and concepts of characters, Species/genes/family and other categories
Week 5 to Week 8	Laboratory Course (Departmental 10) BOTPCOR10P: Topic 4, Topic 5, Topic 6, Topic 7, Continuous Assessment	Angiosperm Systematics (Departmental 6) BOTPCOR06T: A general survey of the following orders of angiosperms (Cronquist, 1988), Biosystematics, Numerical taxonomy
Week 9 to Week 12	Laboratory Course (Departmental 10) BOTPCOR10P : Topic 10, Topic 11, Practical Mock Test	Angiosperm Systematics (Departmental 6) BOTPCOR06T: Phylogenetic taxonomy, Molecular Systematics, Mid Term Examination

Week 13	Laboratory Course (Departmental 10) BOTPCOR10P: Revision of Experiments, Mock Test on Topic 3	Angiosperm Systematics (Departmental 6) BOTPCOR06T: Revision, Problems analyses, Tutorial
Week 14	Internal Exam	mination
Week 15 to 17	Laboratory Course (Departmental 10) BOTPCOR10P: Revision of Experiments, Mock Test on Topic 1 &2	Angiosperm Systematics (Departmental 6) BOTPCOR06T: Revision, Problems analyses, Tutorial,
Week 18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Odd Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M. Sc Semester I & III
Name of the Teacher: Dr. Kausik Majumder Subject: Botany

Paper: Integrated Life Sciences (Departmental 1) BOTPCOR01T, Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, Laboratory Course (Departmental 5) BOTPCOR05P, Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T, Laboratory Course- Molecular & Cellular Genetics & Plant Breeding (Departmental 14) BOTPCOR14P, Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory Course (Departmental 5) BOTPCOR05P Topic 1, Continuous Assessment	Integrated Life Sciences (Departmental 1) BOTPCOR01T, Basic statistics, Class Test
	Laboratory Course- Molecular & Cellular Genetics & Plant Breeding (Departmental 14) BOTPCOR14P, According to theoretical syllabus, Continuous Assessment Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P, According to theoretical syllabus, Continuous Assessment	Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, Principles of Plant Viral Taxonomy, Class Test Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Laws of inheritance, Extensions of Mendelian principles, Class Test Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Enzymes and bioenergetics, Class Test
Week 5 to Week 8	Topic 1, Continuous Assessment	Integrated Life Sciences (Departmental 1) BOTPCOR01T, Basic statistics, Class Test Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, Principles of plant viral structure and genetics, Class Test Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Organization and measure of genetic variation, Class Test Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Enzymes and bioenergetics, Class Test
Week 9 to Week 12	Topic 2, Continuous Assessment Laboratory Course- Molecular & Cellular Genetics & Plant Breeding (Departmental 14) BOTPCOR14P, According to theoretical syllabus, Continuous Assessment	Integrated Life Sciences (Departmental 1) BOTPCOR01T, Methods in Biology, Class Test Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, Principle techniques of study Assay and purification of virus particle, Class Test Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Organization and measure of genetic variation, Class Test Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Protein structure, Class Test

Week 13	Laboratory Course (Departmental 5) BOTPCOR05P Topic 3, Continuous Assessment	Integrated Life Sciences (Departmental 1) BOTPCOR01T, Methods in Biology, Class Test
	Laboratory Course- Molecular & Cellular Genetics & Plant Breeding (Departmental 14) BOTPCOR14P, According to theoretical syllabus, Continuous Assessment	Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, of plant viral structure and genetics, Class Test
	Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P, According to theoretical syllabus, Continuous Assessment	Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Marker assisted breeding, Class Test
		Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Protein structure, Class Test
Week 14	Internal 1	Examination
Week 15 to week 17	Laboratory Course (Departmental 5) BOTPCOR05P Practical Mock Test	Integrated Life Sciences (Departmental 1) BOTPCOR01T, Laws of inheritance, Extensions of Mendelian principles, Class Test
	Laboratory Course- Molecular & Cellular Genetics & Plant Breeding (Departmental 14) BOTPCOR14P, Practical Mock Test	Plant Viruses & Bacteria (Departmental 4) BOTPCOR04T, Virus induced gene silencing (VIGS), Class Test
	Laboratory Course- Plant Physiology & Biochemistry (Departmental 15) BOTPCOR15P, Practical Mock Test	Molecular & Cellular Genetics & Plant Breeding (Departmental 11) BOTPCOR11T, Marker assisted breeding, Class Test
		Plant Physiology & Biochemistry (Departmental 12) BOTPCOR12T Protein structure, Class Test
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M. Sc Semester II & IV
Name of the Teacher: Dr. Kausik Majumder Subject: Botany

Paper: Discipline Specific Electives (DSE) DSE 2: Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T, DSE 3: Plant Molecular Biology (Departmental 17) BOTPDSE03T, Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P Laboratory Course- Seminar Presentation, (Departmental 19) BOTPCOR19P, Dissertation Project Work, (Departmental 20) BOTPCOR20P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P, According to theoretical syllabus, Continuous Assessment	Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T, Genomics, Class Test
	Dissertation Project Work (Departmental 20) BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19.(P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation.	

	The topic of the review/project will be finalized after discussion with the concerned teacher.	
Week 5 to	Laboratory course of DSE 2 & 3 (Departmental 18)	Advanced Plant Physiology & Biochemistry (Departmental 16)
Week 8	BOTPCOR18P, According to theoretical syllabus, Continuous Assessment	BOTPDSE02T, Genomics, Class Test
	Dissertation Project Work (Departmental 20) BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19.(P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.	
Week 9 to Week 12	Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P, According to theoretical syllabus, Continuous Assessment	Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T, Proteomics, Class Test
	Dissertation Project Work (Departmental 20) BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19.(P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.	
Week 13	Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P, According to theoretical syllabus, Continuous Assessment	Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T, Proteomics, Class Test
	Dissertation Project Work (Departmental 20) BOTPCOR20P, The dissertation will be based on the Departmental 16 (DSE2) & Departmental 17 (DSE3) opted by the student. The outcome is to be presented in Departmental 19.(P). The project work can either be a review or a practical project which on completion will have to be presented as a dissertation. The topic of the review/project will be finalized after discussion with the concerned teacher.	
Week 14	Internal l	Examination
Week 15 to week 17	Laboratory course of DSE 2 & 3 (Departmental 18) BOTPCOR18P, Practical Mock Test	Advanced Plant Physiology & Biochemistry (Departmental 16) BOTPDSE02T, Proteomics, Class Test
	Seminar presentation by the students, It will consist of presenting the work done in Departmental 20 (which can either be a review or a practical project.) in the form of a seminar using ICT tools.	
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination
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Teaching Plan for Odd Semester, PG course, Department of BOTANY, Session (2020 - 2021)

Class: M.Sc. Semester I & III
Name of the Teacher: Dr. Subhadipa Sengupta Subject: Botany

Paper: Core Course: Integrated Life Sciences (Departmental 1), Course Code: BOTPCOR01T, Core course: Molecular & Cellular Genetics & Plant Breeding (Departmental 11)

Course Code: BOTPCOR011T and BOTPCOR11P

Biosafety And Laboratory Practices BOTPGEC01T Course Code:GEC1

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Departmental 1: Integrated Life Sciences Laboratory course Genomic DNA isolation, Continuous assessment Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11P) Study on compound microscope	Departmental 1: Integrated Life Sciences (BOTPCOR01T) Methods in Biology, Class Test Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11T) Topic 1, 2 & 3 GEC1: Biosafety And Laboratory Practices Topic 1
Week 5 to Week 8	Departmental 1: Integrated Life Sciences Laboratory course Plasmid DNA isolation Continuous assessment Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11P) Mitosis and Meiosis study	Departmental 1: Integrated Life Sciences (BOTPCOR01T) Methods in Biology, Class Test Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11T) Topic 4, 5 & 6 GEC1: Biosafety And Laboratory Practices Topic 2
Week 9 to Week 12	Departmental 1: Integrated Life Sciences Laboratory course Molecular techniques Continuous assessment Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11P) Karyotype analysis	Departmental 1: Integrated Life Sciences (BOTPCOR01T) Methods in Biology, Class Test Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11T) Topic 7, 8, 9 & 10 GEC1: Biosafety And Laboratory Practices Topic 3

Week 13	Departmental 1: Integrated Life Sciences	Departmental 1: Integrated Life Sciences
	Laboratory course	(BOTPCOR01T)
	Molecular techniques	Methods in Biology, different problem analysis on the
	Continuous assessment	topics, Class Test
	*	Departmental 11: Molecular & Cellular Genetics & Plant Breeding (BOTPCOR11T) Topic 11 & 12
		GEC1: Biosafety And Laboratory Practices
		Topic 4

Week 14	Internal	Examination
	Departmental 1: Integrated Life Sciences Revision, Viva preparation Departmental 18(P): Laboratory Course of DSE 3 Departmental 11: Molecular & Cellular Genetics	Departmental 1: Integrated Life Sciences (BOTPCOR01T) Methods in Biology, different problem analysis on the topics, Class Test Departmental 11: Molecular & Cellular Genetics & Plant
	& Plant Breeding (BOTPCOR11P) Ring chromosome study at translocation in Rhoeo plants	Breeding (BOTPCOR11T) Topic 13, 14, 15 & 16 GEC1: Biosafety And Laboratory Practices Revision, Question-Answer Analyses
Week18	Revision of Experiments, End Term Examination	Revision, Question-Answer Analyses, End Term Examination

Teaching Plan for Even Semester, PG course, Department of BOTANY, Session (2020-2021)

Class: M.Sc. Semester II & IV
Name of the Teacher: Dr. Subhadipa Sengupta Subject: Botany

Core course: Plant Molecular Biology (Departmental 17 & Departmental 18 (P)

Course Code: DSE 3 & Laboratory Course of DSE 3

COURSE CODE: BOTPCOR19P [Departmental 19 (P) Laboratory Course -Seminar Presentation] COURSE CODE: BOTPCOR20P [Departmental 20 (P): Dissertation Project Work]

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
	Departmental 18(P): Laboratory Course of DSE 3 Restriction mapping problems, Continuous assessment Departmental 20: Dissertation project work supervision	Departmental 17: Plant Molecular Biology Recombinant DNA technology, Basics of Cloning, Methods of DNA, RNA and protein analysis, Transcriptional analysis of gene expression, Class Test
Week 8	Departmental 18(P): Laboratory Course of DSE 3 Genomic DNA Isolation, Continuous assessment Departmental 20: Dissertation project work supervision	Departmental 17: Plant Molecular Biology Over expression of Recombinant proteins, Analysis of protein-DNA and protein-protein interaction, Class Test
Week 12	Departmental 18(P): Laboratory Course of DSE 3 Plasmid DNA Isolation, Restriction Digestion, Continuous assessment Departmental 20: Dissertation project work supervision	Departmental 17: Plant Molecular Biology Plant tissue culture and somatic cell genetics, Plant transformation vectors and methods, Direct gene transfer, Class Test
	Departmental 18(P): Laboratory Course of DSE 3 MS Media Preparation, Seed Sterilisation, Continuous assessment Departmental 20: Dissertation project work supervision	Departmental 17: Plant Molecular Biology Applications of transgenic technology in plants,
Week 14	Internal E	xamination
to week 17	Departmental 18(P): Laboratory Course of DSE 3 Agrobacterium Transformation protocol, Continuous assessment Departmental 20: Dissertation project work supervision Departmental 19: Supervision on seminar presentation	Departmental 17: Plant Molecular Biology Gene regulation, Molecular biology of Recombination, Molecular markers

Week18	Departmental 18(P): Laboratory Course of DSE 3	Departmental 17: Plant Molecular Biology
	Transgenic crop study, Continuous assessment	Revision and class test
	Departmental 20: Dissertation project work supervision Departmental 19: Supervision on seminar presentation	

Department of Physics BIDHANNAGAR COLLEGE

Government of West Bengal

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Session: 2020-2021

Class: B.Sc: ODD SEMESTERS – I, III & V Name of the Teacher: Dr. Arun Kumar Jana

Subject: Paper: B.Sc Hons. & General (Theory and Practical)

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week 4	PHSACOR01P:	PHSACOR02T: Non-Inertial system & STR
	PHSACOR03P:	PHSACOR06T: 0 th & 1 st law of
	PHSACOR05P:	Thermodynamics:
	PHSHGEC03P:	PHSHGEC03T: 0 th & 1 st law of
		Thermodynamics
	Whole syllabus will be covered	PHSACOR11T:: Basic formalism of QM
	by different groups	PHSADSE03T: General properties of
		Nuclei
Week 5to week 8	PHSACOR01P:	PHSAOR02T: Special Theory of Relativity-
	PHSACOR03P:	M M Expt., postulates, L transformations,
	PHSACOR05P:	simultaneity.
	PHSHGEC03P:	PHSACOR06T: 2 nd law of
		Thermodynamics, Carnot's
	Whole syllabus will be covered	theorem & Heat Engine
	by different groups	PHSHGEC03T: 2 nd law of
		Thermodynamics & Heat
		Engine and efficiency
		PHSACOR11T: Schrodinger equation &
		Bound State Problems
		PHSADSE03T: Nuclear Models
Week 9 to week	PHSACOR01P:	PHSACOR02T: Special theory of
12	PHSACOR03P:	Relativity- Order of events, Lorentz
	PHSACOR05P:	contraction, Time Dilation and numerical.
	PHSHGEC03P:	PHSACOR06T: Entropy, Thermodynamic
		potentials and applications
	Whole syllabus will be covered	PHSHGEC03T: Entropy, Carnot's heat
	by different groups	Engine, 3 rd law of Thermodynamics.
		PHSACOR11T: Bound States- Linear
		Harmonic Oscillator -applications
		PHSADSE03T: Nuclear reactions-Types,
		Conservation laws and kinematics of
		reactions.
Week 13	PHSACOR01P:	PHSACOR02T: Relativistic
	PHSACOR03P:	Transformations of velocity, frequency
	PHSACOR05P:	and wave number.
	PHSHGEC03P:	PHSACOR06T: T-ds equations in various
		forms
	Whole syllabus will be covered	PHSHGEC03T: Enthalpy, Gibb's,
	by different groups	Helmholtz and Internal Energy functions.
	- -	PHSACOR11T: Schrodinger equation in
		spherical polar co-ordinates with

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

		PHSADSE03T: Nuclear reactions-
		Compound and direct reaction.
	Week13 to week 14 Int	ernal Exam
Week 15 to 17	PHSACOR01P:	PHSACOR02T: Relativistic addition of
	PHSACOR03P:	velocities, Relativistic Doppler effect –
	PHSACOR05P:	applications-numericals.
	PHSHGEC03P:	PHSACOR06T: Maxwell's
		Thermodynamic relations-derivations
	Whole syllabus will be covered	and applications.
	by different groups	PHSHGEC03T: Maxwell's relation and
		applications.
		PHSACOR11T: Quantum theory of
		Hydrogen like atoms-
		PHSADSE03T: Nuclear Reactions-
		Resonance reaction , Coulomb
		Scattering-applications.
Week 18	Revision	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc: EVEN SEMESTERS –II, IV & VI Name of the Teacher: Dr. Arun Kumar Jana

Subject: Paper: B.Sc. Hons. & General (Theory and Practical)

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week 4	PHSACOR03P:	PHSACOR4T: Wave Optics,
	PHSACOR04P:	Intereference-Division of amp. And
	PHSACOR09P:	wavefront, Young's double slit Expt. Etc.
	PHSHGEC02P:	PHSACOR09T:Relativistic Dynamics-
	PHSHGE04P:	Invariance of Space time Interval under
		Lorentz Transformation, Idea of 4-
	Whole syllabus will be covered	Vector-Contravariant and co-variant
	by different groups	components., Numericals
		PHSHGEC02T: Electromagnetic
		Induction_faraday's laws, Lenz's law,
		Numericals.
		PHSHGEC04T:Interference- Division of
		amp. And wavefront, Young's double slit
		Expt. Etc
		PHSACOR14T:Statistical Mechanics-
		Chemical equilibrium-Chemical potential
		and reaction, Chemical potential for ideal
		gas, photon gas, Ionisation potential,
		Saha's Ionisation formula.
		PHSADSE05T: The Sun and Solar family-
		The Sun-Solar Parameters-photosphere,
		chromospheres, corona, Solar activity,
		Solar magneto hydrodynamics.
Week 5to week 8	PHSACOR03P:	PHSAOR04T: Interference-Thin and
	PHSACOR04P:	wedge shaped films, Fringes of equal
	PHSACOR09P:	inclination, thickness, Newton's rings.
	PHSHGEC02P:	PHSACOR09T: Relativistic Dynamics-
	PHSHGE04P:	Metric, 4-scalar, space-like, time-like and
		light-like separation.
	Whole syllabus will be covered	PHSHGEC02T: Self and Mutual
	by different groups	inductance, L of Single coil, M of two
		coils, Energy stored in magnetic field.
		PHSHGEC04T: Interference- Thin and
		wedge shaped films, Fringes of equal
		inclination, thickness, Newton's rings.
		PHSACOR14T: Statistical Mechanics-
		System of Identical Particles-Occupation
		Number, MB Distribution, Boltzman
		factor, Bosons and Fermions, Pauli
		Exclusion Principle.
		PHSADSE05T: The and Solar family-The
		Solar family-Solar System-facts and
*** 1.6		figures, origin of solar system.
Week 9 to week	PHSACOR03P:	PHSACOR4T: Diffraction-Types, Single

Department of Physics BIDHANNAGAR COLLEGE

Government of West Bengal <u>Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021</u>

12	PHSACOR04P:	slit, Resolving Power of an optical
12	PHSACOR09P:	instrument, Double slit.
	PHSHGEC02P:	PHSACOR09T:Relativistic Dynamics-
	PHSHGE04P:	
	riisiide04r.	Causality in relativity, Proper time, 4-
	Whole syllabus will be covered	velocity and momentum, Numericals.
	by different groups	PHSHGEC02T: Linear Network-
	by unierent groups	Impedance, LC R and their combinations.
		PHSHGEC04T:Diffraction-Fraunhofer
		diffraction-Single slit, Double slit
		PHSACOR14T:Theory of Black Body
		Radiation-Properties, Temperature
		dependence, Kirchoff's, Stefan Boltzman
		law-Thermodynamic proof.
		PHSADSE05T: The Sun and Solar family-
		The Nebular Model, Tidal forces and
		Planetary rings, Extra solar planets.
Week 13	PHSACOR03P:	PHSACOR4T: Diffraction-Fresnel
	PHSACOR04P:	diffraction, Fresnel's assumptions.
	PHSACOR09P:	PHSACOR09T:Relativistic Dynamics-
	PHSHGEC02P:	Conservation law of 4-momentum,
	PHSHGE04P:	Relativistic mass.
		PHSHGEC02T: Maxwell;s equations.
	Whole syllabus will be covered	PHSHGEC04T:Diffraction-Diffraction
	by different groups	grating.
		PHSACOR14T:Statistical Mechanics-
		Recapitulation of Planck;s law of black
		body radiation.
		PHSADSE05T: The and Solar family-
		Stellar spectra and classification
		structure.
	Week13 to week 14 Into	
Week 15 to 17	PHSACOR03P:	PHSACOR4T: Fresnel's Half Period Zones,
	PHSACOR04P:	Zone Plate-theory and derivation,
	PHSACOR09P:	Numericals.
	PHSHGEC02P:	PHSACOR09T:Relativistic Dynamics-
	PHSHGE04P:	Relativistic energy, Equivalence of mass
	THSHOLOHI.	and energy, Applications in two body
	Whole syllabus will be covered	decay of a particle, two body collisions.
	by different groups	, , , , , , , , , , , , , , , , , , , ,
	by unicient groups	PHSHGEC02T: Network Theorem-
		applications, Anderson's bridge.
		PHSHGEC04T:Diffraction-Fresnel
		diffraction, theory of half perid zones,
		Zone plates.
		PHSACOR14T:Statistical Mechanics-
		Deduction of Wien's distribution law,
		Rayleigh Jeans law, Stefan Boltzman
		law,Wein's displacement law from
		Planck's law.
		PHSADSE05T: The Sun and Solar Family-

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Week 18	Revision	Revision
		The Milky way.
		white dwarfs, Chandrasekhar Mass limit.,
		Diagram, Main sequence, red giants and
		dependence, Black body approx., HR
		Stellar spectra and their temperature

Department of Physics BIDHANNAGAR COLLEGE

Government of West Bengal

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc: ODD SEMESTERS – I, III & V Name of the Teacher: Nirmal Kumar Maity

Subject: Paper: B.ScHons. & General (Theory and Practical)

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week 4	PHSHGEC01P:	PHSACOR02T:Fundamentals of Dynamics
	PHSACOR07P:	PHSHGEC01T: Oscillations
	PHSSSEC01M	PHSACOR07T: Digital and Arithmetic
		circuits
	Whole syllabus will be covered	PHSSSEC01M: Digital Multimeter
	bydifferent groups	PHSACOR12T: Crystal Structure
		PHSADSE02T: Dynamical Systems
Week 5to week 8	PHSHGEC01P:	PHSACOR02T: Work and Energy
	PHSACOR07P:	PHSHGEC01T: Oscillations
	PHSSSEC01M	PHSACOR07T: Processing circuits
		PHSSSEC01M: Digital Multimeter
	Whole syllabus will be covered	PHSACOR12T: Crystal Structure
	bydifferent groups	PHSADSE02T: Dynamical Systems
WY 1.0		
Week 9 to week	PHSHGEC01P:	PHSACOR02T:Collisions
12	PHSACOR07P:	PHSHGEC01T : Oscillations
	PHSSSEC01M	PHSACOR07T: Sequential Circuits
		PHSSSEC01M : Digital Multimeter
	Whole syllabus will be covered	PHSACOR12T: Elementary Lattice
	bydifferent groups	Dynamics
		PHSADSE02T : Dynamical Systems
Week 13	PHSHGEC01P:	PHSACOR02T: Numerical on Collisions
	PHSACOR07P:	PHSHGEC01T: Numerical on Oscillations
	PHSSSEC01M	PHSACOR07T: Timers
		PHSSSEC01M: Digital Multimeter
	Whole syllabus will be covered	PHSACOR12T: Numerical –crystal
	bydifferent groups	structure
		PHSADSE02T : Numerical on Dynamical
		Systems
	Week13 to week 14 Into	
Week 15 to 17	PHSHGEC01P:	PHSACOR02T:Rotational Dynamics
	PHSACOR07P:	PHSHGEC01T: Oscillations
	PHSSSEC01M	PHSACOR07T: Registers and Counters
		PHSSSEC01M : Digital Multimeter
	Whole syllabus will be covered	PHSACOR12T: Lattice Dynamics
	bydifferent groups	PHSADSE02T: Dynamical Systems
Week 18	Revision	Revision

Department of Physics BIDHANNAGAR COLLEGE

Government of West Bengal

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc: EVEN SEMESTERS –II, IV& VI Name of the Teacher: Nirmal Kumar Maity

Subject: Paper: B.ScHons. & General (Theory and Practical)

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week 4	PHSACOR03P:	PHSACOR3T:Magnetic Field
	PHSACOR10P:	PHSHGEC02T: Maxwell's equations
	PHSACOR13P:	PHSACOR10T: Semiconductor diodes
	PHSHGEC02P:	PHSAOR13T: Different type of
		polarisation, Propagation in Anisotropic
	Whole syllabus will be covered	media, crystals-Uniaxial and biaxial.
	bydifferent groups	PHSADSE05T: Astronomical Scale
*** 1.5		
Week 5to week 8	PHSACOR03P:	PHSACOR3T:Magnetic Properties of
	PHSACOR10P:	matter
	PHSACOR13P:	PHSHGEC02T: Maxwell's equations and
	PHSHGEC02P:	numerical
		PHSACOR10T: Two terminal devices and
	Whole syllabus will be covered	their applications.
	bydifferent groups	PHSAOR13T: Double refraction, Nicol
		Prism,O-ray, E-ray, refractive indices.
		PHSADSE05T: Astronomical Scale
Week 9 to week	PHSACOR03P:	PHSACOR3T: Electromagnetic Induction
12	PHSACOR10P:	PHSHGEC02T: Electromagnetic wave
	PHSACOR13P:	propagation.
	PHSHGEC02P:	PHSACOR10T: Bipolar Junction
		Transistor, Field effect Transistor
	Whole syllabus will be covered	PHSAOR13T: Production of plane,
	bydifferent groups	Circularly and elliptically polarized light,
		Retardation plates.
		PHSADSE05T: Astronomical Techniques
Week 13	PHSACOR03P:	PHSACOR3T: Numerical on Magnetic
	PHSACOR10P:	field
	PHSACOR13P:	PHSHGEC02T: em wave propagation
	PHSHGEC02P:	PHSACOR10T: Field effect transistor.
		PHSAOR13T: Babinet Compensator and
	Whole syllabus will be covered	its uses.
	bydifferent groups	PHSADSE05T: Astronomical Techniques
	Week13 to week 14 Into	l ernal Exam
Week 15 to 17	PHSACOR03P:	PHSACOR3T: Electromagnetic Induction
	PHSACOR10P:	PHSHGEC02T: Electromagnetic wave
	PHSACOR13P:	propagation.
	PHSHGEC02P:	PHSACOR10T: Amplifiers and their
		applications.
	Whole syllabus will be covered	PHSAOR13T: Rotatory Polarization
	bydifferent groups	PHSADSE05T: Astronomical Techniques
Week 18	Revision	Revision
1, CCR 10	140 (151011	140 (151011

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

B.Sc. Odd Semester (I, III, V)

Name of the Teacher: Dr. Subhasis Chakrabarti

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Calculus (Recapitulation)
week 4	PHSACOR06P, PHSACOR07P,	Approximation: Taylor and
	PHSHGEC03P, PHSACOR12P	binomial series (statements only).
		PHSSSEC01M: CRO
	:Whole syllabus will be covered by	PHSACOR05T: Fourier Series
	different groups	PHSACOR12T: Crystal Structure
		PHSADSE02T: Lagrangian & Hamiltonian
		Dynamics
Week 4 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Calculus (1st Order and 2 nd
week 8	PHSACOR06P, PHSACOR07P,	order)
	PHSHGEC03P, PHSACOR12P	PHSSSEC01M: Signal Generators and
		analysis Instruments
	:Whole syllabus will be covered by	PHSACOR05T: Some Special Integrals
	different groups	PHSACOR12T: Crystal structure
		PHSADSE02T: Small Amplitude Oscillations
Week 8 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Calculus (Calculus of
week 12	PHSACOR06P, PHSACOR07P,	functions of more than one variable)
	PHSHGEC03P, PHSACOR12P	PHSSSEC01M: Digital Instruments
		PHSACOR05T: Variational calculus in
	:Whole syllabus will be covered by	Physics
	different groups	PHSACOR12T: Magnetic Properties of
		Matter , Dielectric Properties of Materials
		PHSADSE02T: Small Oscillations
Week 13	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Calculus (Calculus of
	PHSACOR06P, PHSACOR07P,	functions of more than one variable)
	PHSHGEC03P, PHSACOR12P	PHSSSEC01M: Digital Instruments
		PHSACOR05T: Analytical Dynamics
	:Whole syllabus will be covered by	PHSACOR12T: Ferroelectric Properties of
	different groups	Materials
		PHSADSE02T: Fluid Dynamics
	Week 13 to week 14	Internal Exam
Week 15 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Conclusion
17	PHSACOR06P, PHSACOR07P,	PHSSSEC01M: Conclusion
	PHSHGEC03P, PHSACOR12P	PHSACOR05T: Tutorial
		PHSACOR12T: Conclusion
	:Whole syllabus will be covered by	PHSADSE02T: Conclusion
*** 1 10	different groups	D
Week 18	Revision & Practice	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

B.Sc. Even Semester (II, IV, VI)

Name of the Teacher: Dr. Subhasis Chakrabarti

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR03P, PHSHGEC02P,	PHSACOR04T: Superposition of Collinear
week 4	PHSACOR09P, PHSHGEC04P,	Harmonic oscillations
	PHSACOR13P:	PHSHGEC02T: Vector Analysis
	Whole syllabus will be distributed	PHSACOR8T: Integrals Transforms (Fourier
	to different student groups	Transforms)
		PHSACOR13T: Maxwell Equations
		PHSADSE04T: Group Theory
Week 4 to	PHSACOR03P, PHSHGEC02P,	PHSACOR04T; Wave Motion
week 8	PHSACOR09P, PHSHGEC04P,	PHSHGEC02T: Vector Analysis
	PHSACOR13P:	PHSACOR8T: Integrals Transforms (Fourier
	Whole syllabus will be distributed	Transforms)
	to different student groups	PHSACOR13T: EM Wave Propagation in
		Unbounded Media
		PHSADSE04T: Group Theory
Week 8 to	PHSACOR03P, PHSHGEC02P,	PHSACOR04T: Velocity of Waves
week 12	PHSACOR09P, PHSHGEC04P,	PHSHGEC02T: Vector Analysis
	PHSACOR13P:	PHSACOR08T: Matrices
	Whole syllabus will be distributed	PHSACOR13T: EM Wave Propagation in
	to different student groups	bounded Media
		PHSADSE04T: Group Theory
Week 13	PHSACOR03P, PHSHGEC02P,	PHSACOR04T: Velocity of Waves
	PHSACOR09P, PHSHGEC04P,	PHSHGEC02TVector Analysis
	PHSACOR13P:	PHSACOR08T: Eigen-values and Eigenvectors
	Whole syllabus will be distributed	PHSACOR13T: Polarization of Electromagnetic
	to different student groups	Waves
		PHSADSE04T: Group Theory
	Week13 to week 14	Internal Exam
Week 15 to	PHSACOR03P, PHSHGEC02P,	PHSACOR04T: Conclusion
17	PHSACOR09P, PHSHGEC04P,	PHSHGEC02T: Conclusion
	PHSACOR13P:	PHSACOR08T: Conclusion
	Whole syllabus will be distributed	PHSACOR13T: Conclusion
	to different student groups	PHSADSE04T: Tutorial
Week 18	Revision & Practice	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc Semester 1,3,5 Name of the Teacher: Dr. Supriya Chatterjee

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	PHSACOR01P, PHSHGEC01P,	PHSACOR01T: Vector Calculus (Recapitulation of vectors)
to week	PHSACOR05P, PHSHGEC03P,	PHSHGEC01T: Mathematical Methods
4	PHSACOR11P	PHSACOR06T: Kinetic Theory of Gases (Distribution of
	TIBACORIII	Velocities)
	:Whole syllabus will be	PHSHGEC03T: Laws of Thermodynamics
	covered by different groups	PHSACOR11T: Basic Formalism
	covered by univerent groups	PHSADSE03T: General Properties of Nuclei & Nuclear
		Models
Week 5	PHSACOR01P, PHSHGEC01P,	PHSACOR01T: Vector Calculus (Vector Differentiation)
to week	PHSACOR05P, PHSHGEC03P,	PHSACOR06T: Kinetic Theory of Gases (Molecular
8	PHSACOR11P	Collisions)
		PHSHGEC03T: Laws of Thermodynamics
	:Whole syllabus will be	PHSACOR11T: Schrodinger Equation
	covered by different groups	PHSADSE03T: Radioactivity decay
Week 9	PHSACOR01P, PHSHGEC01P,	PHSACOR01T: Calculus (Calculus of functions of more than
to week	PHSACOR05P, PHSHGEC03P,	one variable) Vector Calculus (Vector Integration)
12	PHSACOR11P	PHSACOR06T: Kinetic Theory of Gases (Molecular
		Collisions)
	:Whole syllabus will be	PHSHGEC03T: Laws of Thermodynamics
	covered by different groups	PHSACOR11T: Applications of quantization rules in Atomic
		Physics
		PHSADSE03T: Radioactivity decay
Week	PHSACOR01P, PHSHGEC01P,	PHSACOR01T: Vector Calculus (Vector Integration).
13	PHSACOR05P, PHSHGEC03P,	PHSACOR06T: Kinetic Theory of Gases (Real Gases)
	PHSACOR11P	PHSHGEC03T: Kinetic Theory of Gases
		PHSACOR11T: Applications of quantization rules in Atomic
	:Whole syllabus will be	Physics
	covered by different groups	PHSADSE03T: Interaction of Nuclear Radiation with
		matter
	Week13	to week 14 Internal Exam
Week 15	PHSACOR01P, PHSHGEC01P,	PHSACOR01T: Conclusion + Tutorial
to 17	PHSACOR05P, PHSHGEC03P,	PHSHGEC01T: Conclusion + Tutorial
	PHSACOR11P	PHSACOR06T: Conclusion + Tutorial
		PHSHGEC03T: Conclusion + Tutorial
	:Whole syllabus will be	PHSACOR11T: Conclusion + Tutorial
	covered by different groups	PHSADSE03T: Conclusion + Tutorial
Week 18	Revision	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc Semester 2,4,6 Name of the Teacher: Dr. Supriya Chatterjee

Sl. No.	Practical syllabus to be	Theory syllabus to be covered
	covered	
Week 1	PHSACOR04P, PHSHGEC02P,	PHSACOR04T: Superposition of Collinear Harmonic
to week	PHSACOR08P, PHSHGEC04P,	oscillations
4	PHSACOR14P	PHSHGEC02T: Vector Analysis
		PHSACOR09T: Nuclear Physics (Introduction)
	:Whole syllabus will be	PHSSSEC02M: Introduction to Computational Physics
	covered by different groups	PHSHGEC04T: Wave Optics (Introduction)
		PHSACOR14T: Classical Statistical Mechanics
Week 5	PHSACOR04P, PHSHGEC02P,	PHSACOR04T: Superposition of two perpendicular
to week	PHSACOR08P, PHSHGEC04P,	Harmonic Oscillations
8	PHSACOR14P	PHSHGEC02T: Vector Analysis
		PHSACOR09T: Nuclear Physics (Nuclear models)
	:Whole syllabus will be	PHSSSEC02M: Scientific Programming
	covered by different groups	PHSHGEC04T: Wave Optics
		PHSACOR14T: Classical Statistical Mechanics
Week 9	PHSACOR04P, PHSHGEC02P,	PHSACOR04T: Interferometer
to week	PHSACOR08P, PHSHGEC04P,	PHSACOR09T: Nuclear Physics (Radioactivity)
12	PHSACOR14P	PHSSSEC02M: Control Statements
	:Whole syllabus will be	PHSHGEC04T: Interference, Michelson's Interferometer
	covered by different groups	PHSADSE04T: Advanced Probability Theory (Introduction)
Week	PHSACOR04P, PHSHGEC02P,	PHSACOR04T: Holography
13	PHSACOR08P, PHSHGEC04P,	PHSACOR09T: Nuclear Physics (Fission and fusion)
	PHSACOR14P	PHSSSEC02M: Control Statements
		PHSADSE04T: Advanced Probability Theory (Probability
	:Whole syllabus will be	distributions)
	covered by different groups	
	Week13	to week 14 Internal Exam
Week 15	PHSACOR04P, PHSHGEC02P,	PHSACOR04T: Conclusion + Tutorial
to 17	PHSACOR08P, PHSHGEC04P,	PHSHGEC02T: Conclusion + Tutorial
	PHSACOR14P	PHSACOR09T: Conclusion + Tutorial
		PHSHGEC04T: Conclusion + Tutorial
	:Whole syllabus will be	PHSACOR14T: Conclusion + Tutorial
	covered by different groups	PHSADSE04T: Conclusion + Tutorial
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Week 18	Revision	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

B.Sc. Odd Semester (I, III, V)

Name of the Teacher: Dr. Soumyabrata Mondal

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR02P, PHSHGEC01P,	HSACOR02T: Gravitation and Central
week 4	PHSACOR06P, PHSACOR07P,	Force Motion
	PHSHGEC03P, PHSACOR12P	PHSHGEC01T: Gravitation
	: Online demonstration covering	PHSACOR05T: Partial Differential Equations
	upto 30% of allotted syllabus.	PHSHGEC03T: Statistical Mechanics
		PHSACOR11T: Introduction
		PHSADSE03T: Particle physics
Week 4 to	PHSACOR02P, PHSHGEC01P,	PHSACOR02T: Gravitation and Central
week 8	PHSACOR06P, PHSACOR07P,	Force Motion
	PHSHGEC03P, PHSACOR12P	PHSHGEC01T: Gravitation
	: Online demonstration covering	PHSACOR05T: Frobenius Method and
	upto 30% of allotted syllabus.	Special Functions (Legendre Polynomials)
		PHSHGEC03T: Statistical Mechanics
		PHSACOR11T: Basic Formalism
		PHSADSE03T: Particle physics
Week 8 to	PHSACOR02P, PHSHGEC01P,	PHSACOR02T: Fluid Motion
week 12	PHSACOR06P, PHSACOR07P,	PHSHGEC01T: Elasticity
	PHSHGEC03P, PHSACOR12P	PHSACOR05T: Frobenius Method and
	: Online demonstration covering	Special Functions (Bessel Polynomials)
	upto 30% of allotted syllabus.	PHSHGEC03T: Statistical Mechanics
		PHSACOR11T: Schrodinger Equation
		PHSADSE03T: Accelerator & Detector
Week 13	PHSACOR02P, PHSHGEC01P,	PHSACOR02T: Fluid Motion
	PHSACOR06P, PHSACOR07P,	PHSHGEC01T: Elasticity
	PHSHGEC03P, PHSACOR12P	PHSACOR05T: Frobenius Method and
	: Online demonstration covering	Special Functions
	upto 30% of allotted syllabus.	PHSHGEC03T: Statistical Mechanics
		PHSACOR11T: Application
	Week13 to week 14	Internal Exam
Week 15 to	PHSACOR02P, PHSHGEC01P,	PHSACOR02T: Conclusion
17	PHSACOR06P, PHSACOR07P,	PHSHGEC01T: Conclusion
	PHSHGEC03P, PHSACOR12P	PHSACOR05T: Conclusion
	:Revision	PHSHGEC03T: Conclusion
		PHSACOR11T: Conclusion
		PHSADSE03T: Tutorial
Week 18	Revision & Practice	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

B.Sc. Even Semester (II, IV, VI)

Name of the Teacher: Dr. Soumyabrata Mondal

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Electric Field and Electric
week 4	PHSACOR09P, PHSACOR10P,	Potential
	PHSHGEC04P, PHSACOR13P:	PHSHGEC02T: Electrostatics
	Whole syllabus will be distributed	PHSACOR08T: Complex Analysis
	to different student groups	PHSSSEC02M: Introduction
		PHSHGEC04T: Fluids
		PHSADSE04T:PDE
Week 4 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Electric Field and Electric
week 8	PHSACOR09P, PHSACOR10P,	Potential
	PHSHGEC04P, PHSACOR13P:	PHSHGEC02T: Electrostatics
	Whole syllabus will be distributed	PHSACOR08T: Complex Analysis
	to different student groups	PHSSSEC02M: Control Statement
		PHSHGEC04T: Fluids
		PHSACOR14T:Quantum Statistics
		PHSADSE04T:PDE
Week 8 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Dielectric Properties of Matter
week 12	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Linear Network
	PHSHGEC04P, PHSACOR13P:	PHSACOR08T: Complex Analysis
	Whole syllabus will be distributed	PHSSSEC02M: Control Statement
	to different student groups	PHSHGEC04T: Fluids
		PHSACOR14T: Quantum Statistics
		PHSADSE04T:Green's function
Week 13	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Dielectric Properties of Matter
	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Linear Network
	PHSHGEC04P, PHSACOR13P:	PHSACOR08T: Boundary Value Problems
	Whole syllabus will be distributed	PHSHGEC04T:Tutorial
	to different student groups	PHSACOR14T: Quantum Statistics
		PHSADSE04T:Tutorial
	Week 13 to week 14	Internal Exam
Week 15 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Conclusion
17	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Conclusion
	PHSHGEC04P, PHSACOR13P:	PHSACOR08T: Conclusion
	Whole syllabus will be covered	PHSHGEC04T: Conclusion
	by different groups	PHSACOR14T: Conclusion
		PHSADSE04T: Conclusion
Week 18	Revision & Practice	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

Class: B.Sc. (Odd Semester) Name of the Teacher: Dr. Prabir Banerjee

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Introduction to probability
week 4	PHSACOR06P, PHSACOR07P,	(Independent random variables)
	PHSHGEC03P, PHSACOR12P	PHSACOR02T: Non-Inertial Systems
		PHSSSEC01M: Basic of Measurement
	:Whole syllabus will be covered by	PHSACOR07T: Basic introduction,
	different groups	PHSACOR12T: Elementary band theory
		PHSADSE03T: Rigid Body Mechanics
Week 4 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Introduction to probability
week 8	PHSACOR06P, PHSACOR07P,	(Independent random variables)
	PHSHGEC03P, PHSACOR12P	PHSACOR02T: Non-Inertial Systems
		PHSSSEC01M: Electronic Voltmeter
	:Whole syllabus will be covered by	PHSACOR07T: Digital Circuit
	different groups	PHSACOR12T: Elementary Lattice
		Dynamics
		PHSADSE03T: Rigid Body Mechanics
Week 8 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Introduction to probability
week 12	PHSACOR06P, PHSACOR07P,	(Dependent events)
	PHSHGEC03P, PHSACOR12P	PHSACOR02T: Oscillations
		PHSSSEC01M: Impedance Bridges &
	:Whole syllabus will be covered by	QMeters
	different groups	PHSACOR07T: Arithmetic circuits, Data
		processing circuits
		PHSACOR12T: Superconductivity
		PHSADSE03T: Dynamical Systems
Week 13	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Introduction to probability
	PHSACOR06P, PHSACOR07P,	(Dependent events)
	PHSHGEC03P, PHSACOR12P	PHSACOR02T: Oscillations
		PHSSSEC01M: Digital Multimeter
	:Whole syllabus will be covered by	PHSACOR07T: Registers
	different groups	PHSACOR12T: Drude's theory
		PHSADSE03T: Oscillations
	Week 13 to week 14	Internal Exam
Week 15 to	PHSACOR02P, PHSHGEC01P,	PHSACOR01T: Conclusion
17	PHSACOR06P, PHSACOR07P,	PHSACOR02T: Conclusion
	PHSHGEC03P, PHSACOR12P	PHSSSEC01M: Conclusion
		PHSACOR07T: Conclusion
	:Whole syllabus will be covered by	PHSACOR12T: Conclusion
	different groups	PHSADSE03T: Tutorial
Week 18	Practice	Revision

Curriculum Plan for B. Sc (Honour) Course for the Academic Session of 2020-2021

B.Sc. Even Semester (II, IV, VI)

Name of the Teacher: Dr. Prabir Banerjee

Sl. No.	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Electrical Circuits
week 4	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Magnetism
	PHSHGEC04P, PHSACOR13P:	PHSACOR10T: Introduction to Electronics
	Whole syllabus will be distributed	PHSACOR13T: Maxwell Equations
	to different student groups	PHSADSE05T: Astronomical Scales,
		Astronomical techniques
Week 4 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Electromagnetic Induction
week 8	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Electromagnetic Induction
	PHSHGEC04P, PHSACOR13P:	PHSACOR10T: Two-terminal Devices and
	Whole syllabus will be distributed	their Applications
	to different student groups	PHSACOR13T: Optical Fibres
		PHSADSE05T: Physical principles
Week 8 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Network theorems
week 12	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Maxwell's Equations and
	PHSHGEC04P, PHSACOR13P:	Electromagnetic Wave Propagation
	Whole syllabus will be distributed	PHSACOR10T: FET
	to different student groups	PHSACOR13T: Optical Fibres
		PHSADSE05T: The milky way
Week 13	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Network theorems
	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Maxwell's Equations and
	PHSHGEC04P, PHSACOR13P:	Electromagnetic Wave Propagation
	Whole syllabus will be distributed	PHSACOR10T: OpAmp & its applications
	to different student groups	PHSACOR13T: Wave Guides
		PHSADSE05T: Galaxies, Large scale structure &
		expanding universe
Week13 to week 14		Internal Exam
Week 15 to	PHSACOR03P, PHSHGEC02P,	PHSACOR03T: Conclusion
17	PHSACOR09P, PHSACOR10P,	PHSHGEC02T: Conclusion
	PHSHGEC04P, PHSACOR13P:	PHSACOR10T: Conclusion
	Whole syllabus will be covered	PHSACOR13T: Conclusion
	by different groups	PHSADSE05T: Tutorial
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Week 18	Revision & Practice	Revision

BIDHANNAGAR COLLEGE, GOVERMENT OF WEST BENGAL, SALTE LAKE,

KOLKATA

TEACHING PLAN FOR ODD SEMESTER, UG COURSE DEAPARTMENT OF GEOGRAPHY SESSION: 2020-21

CLASS: B.A/BSC. SEMESTER: 1,3 AND 5 SUBJECT: GEOGRAPHY

NAME OF THE TEACHER: D.C.DAS.

	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week4	CC02P: 1. Graphical construction of scales: Plain, comparative. CC07P: 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted using histogram and frequency curve. CC12P:2. Preparation of FCC.	CC02T: 1. Maps: Classification and types. Components of a map. CC07T: 1. Importance and significance of statistics in Geography. CC12T: 1. Principles of Remote Sensing (RS): Types of RS satellites and sensors. GEC03T: Map Projections: Criteria for choice of projections. SSEC01M: 1. Principles of Remote Sensing (RS): Classification of RS satellites and sensors.
Week 5 to week 8	CC02P: 1. Graphical construction of scales: diagonal and vernier. CC07P: 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted using histogram and frequency curve. CC12P: 2. Preparation of FCC.	CC02T: 4. Coordinate systems: Polar and rectangular CC07T: 2. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio). CC12T: 1. Principles of Remote Sensing (RS): Types of RS satellites and sensors GEC03T: Attributes and properties of: Zenithal Gnomonic Polar Case, Zenithal Stereographic Polar Case. SSEC01M: 2. Sensor resolutions and their applications with reference to IRS and Landsat missions, image referencing schemes and data acquisition.

Week 9 to week 12	CC02P: 2. Construction of projections: Simple Conic with two standard parallels. CC07P: 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted using histogram and frequency curve. CC12P:Identification of features using standard FCC and other band combinations.	CC02T: 5. Concept of generating globe and UTM projection. CC07T: 3. Sources of geographical data for statistical analysis. 4. Collection of data and formation of statistical tables. CC12T: 2. Sensor resolutions and their applications with reference to IRS and Landsat missions. GEC03T: Attributes and properties of: Cylindrical Equal Area, Mercator's Projection, Bonne's Projection. SSEC01M: 3. Preparation of False Colour Composites from IRS LISS-3 and Landsat TM and OLI data. Principles of image rectification and enhancement.
Week 13	CC02P: 2. Construction of projections: Bonne's, Cylindrical Equal Area. CC07P: 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted using histogram and frequency curve.	CC02T: 6. Grids: angular and linear systems of measurement CC07T: 4. Collection of data and formation of statistical tables. CC12T: 3. Preparation of False Colour Composites from IRS LISS-3 and Landsat TM and OLI data. GEC03T: Attributes and properties of: Cylindrical Equal Area, Mercator's Projection, Bonne's Projection. SSEC01M: 3. Preparation of False Colour Composites from IRS LISS-3 and Landsat TM and OLI data. Principles of image rectification and enhancement.
Week 14	Internal Examination	Internal Examination
Week 15 to week 17	CC02P: 2. Construction of projections: Mercator's. CC12P: Identification of features using standard FCC and other band combinations.	CC02T: 7. Map projections: Classification, properties and uses CC07T: 5. Sampling: Need, types, and significance and methods of random sampling. CC12T: 4. Principles of image correction and interpretation. Preparation of inventories of landuse land cover (LULC) features from satellite images. GEC03T: Concept of UTM projection. SSEC01M: 4. Principles of image interpretation and feature extraction. Preparation of inventories of land use land cover features from satellite images.
	CC02P: Practice	CC02T: Revision

	CC07P: Practice	CC07T: Revision	
Week 18	CC12P: Practice	CC12T: Revision	
		GEC03T: Revision	

NAME OF THE TEACHER: H.K. DATTA

	Practical syllabus to be covered	Theory syllabus to be covered

Week 1 to	CC02P: Delineation of drainage	CC01T: GEOMORPHOLOGY-1.Weathering, mass
Week 1 to week4	CC02P: Delineation of drainage basin. GEC03P: 1. Graphical construction of scales: Plain.	CC01T: GEOMORPHOLOGY-1.Weathering, mass wasting and resultant landforms. CC06T: GEOGRAPHY OF WEST BENGAL- 9. Physical perspectives- Physiographic divisions, forest and water resources. CC10T: Environmental Geography – 1. Geographers' approach to environmental studies. DSE01T: SOIL GEOGRAPHY: 1. FACTROS OF SOIL FORMATION - Man as an active agent of soil transformation. 2. Soil profile. Origin and profile characteristics of Latritic, Podzol and Chernozem soil. GEC01T: 1. Physical Geography- Definition and Scope, Components of Earth System. GEC03T: 1.Concept of map Scale- Types and
Week 5 to week 8	CC02P: Delineation of drainage basin. GEC03P: 1. Graphical construction of scales: Plain.	Application. Reading distance on a map. CC01T: GEOMORPHOLOGY- 2.Development of river network and landforms on uniclinal and folded structures. CC06T: GEOGRAPHY WEST BENGAL- 10.Resources: Agriculture, mining, and industry. CC10T: Environmental Geography — 2. Concept of holistic environment and systems approach. DSE01T: SOIL GEOGRAPHY: 3. Soil properties: texture, structure and moisture, 4. PH, organic matter and NPK. GEC01T: 2. Internal structure of earth based on Seismic Evidence, Plate Tectonics. GEC03T:: 1.Concept of map Scale- Types and Application. Reading distance on a map.
Week 9 to week 12	CC02P: Stream ordering. GEC03P: 1. Graphical construction of scales: comparative.	CC01T: GEOMORPHOLOGY- 3.Costal processes and landforms CC06T: GEOGRAPHY WEST BENGAL- 4.Development of on granites, basalts and limestone's. CC10T: Environmental Geography — 3. Ecosystem: Concept, structure and functions. DSE01T: SOIL & BIO GEOGRAPHY: 5. Soil erosion and degradation: Factors, Processes and mitigation measures. GEC01T: 3. Influence of rock on topography: Limestone and granite. GEC03T: 1.Concept of map Scale- Types and Application. Reading distance on a map.

Week 13	CC02P: Stream ordering. GEC03P: 1. Graphical construction of scales: comparative	CC01T: GEOMORPHOLOGY- 5. Glacial and glacio -fluvial processes and landform. OF CC06T: GEOGRAPHY WEST BENGAL- 11. Population: Growth, Distribution and human development. CC10T: Environmental Geography — 4. Space-time hierarchy of environmental problems: Local. DSE01T: SOIL GEOGRAPHY: 5. Soil erosion and degradation: Factors, Processes and mitigation measures. 6. Soil classification: Genetic and USDA, land capability and its classification. GEC01T: 4. Evolution of landforms under fluvial process, Normal Cycle of Erosion of Davis. GEC03T: 3.Survey of India topographical maps: Reference scheme of old and open series. Information on the margin maps.
Week 14	Internal Examination	Internal Examination
Week 15 to week 17	CC02P: Revision GEC03P: Revision	CC01T: GEOMORPHOLOGY- 5. Glacial and glacio -fluvial processes and landform. CC06T: GEOGRAPHY WEST BENGAL- 11. Population: Growth, Distribution and human development. 12. Regional Issues: Darjeeling Hills and Sundarban. CC10T: Environmental Geography – 4. Space-time hierarchy of environmental problems: Local, regional and global. DSE01T: SOIL & BIO GEOGRAPHY: 7. Concept of biosphere, ecosystem, biome, ecotone, community, niche, succession and ecology. 8. Concept of trophic structure, food chain and food web. Energy flow in ecosystems. GEC01T: 4. Evolution of landforms under fluvial process, Normal Cycle of Erosion of Davis. GEC03T: Revision
Week 18		CC01T: GEOMORPHOLOGY- Revision CC06T: GEOGRAPHY WEST BENGAL- Revision CC10T: Environmental Geography – Revision DSE01T: SOIL & BIO GEOGRAPHY: Revision GEC01T: Revision GEC03T: Revision

Name of the teacher: Dr.Somdatta Das

Week1 to Week4	PRACTICALSYLLABUSTO BE COVERED CC01P: Identification of mineral and rock samples CC07P:Constructionofdata matrix, drawing of histogram, frequency polygon and curve CC11P:Literaturesurveyona specific topic	THEORYSYLLABUSTOBE COVERED CC05T:Nature ,composition and layering of atmosphere CC07T: Frequency distribution, Measures of central tendency CC11T: Meaning, types and significance of research, Literature survey DSE03T: Growth and distribution of population, Demographic transition model GEC01T: Insolation and Heat budget GEC03T:Choroplethmap
Week5 to week8	CC01P:Concepts associated With geological map, Identification of rock structure CC07P:Computationofvarious Measures of central tendency And dispersion CC11P:Literaturesurveyon Specific topic	CC05T:Insolationandheat budget, Horizontal distribution of temperature CC07T:Measuresofcentral Tendency and dispersion CC11T:Research problem, design, objectives And hypothesis DSE03T:Theorieson Population growth, Age and Sex composition GEC01T:Verticaldistributionof temperature, Inversionof temperature GEC03T:Isoplethmap
Week9 to week12	CC01P:Drawing of profile of uniclinal structure, Determination of dip angle CC07P: Drawing of scatter diagram and linear regression line CC11P:Literaturesurveyof specific topic	CC05T:Verticaldistribution of temperature, Temperature inversion CC07T:Linearand non -linear regression ,Rank and product moment correlation CC11T: Scientific report writing ,preparing notes , references, bibliography , abstract and keywords DSE03T: Rural and urban composition , Literacy and education , occupational structure

		GEC01T:Distributionof pressure belt GEC03T:Flowdiagram,useof dot and symbol in map
Week13	CC01P: Determination of thickness of rock beds CC07P: Residual map CC11P: Preparation of literature review on specific topic	CC05T:Greenhouse effect, importance of ozone layer CC07T: Time series analysis CC11T:Materialsandmethods of research DSE03T:UrbanisationofIndia GEC01T: Ocean bottom relief GEC03T: Interpretation of thematic map
Week14	INTERNALEXAMINATION	INTERNALEXAMINATION
Week15 to week17	CC01P:Interpretationof Geological map CC07P:Practice	CC05T:Stabilityandinstability, Barotropic and baroclinic condition
	CC11P:Preparationof Literature review on specific topic	CC07T:Revision CC11T:Methodsofresearch DSE03T:Revision GEC01T:Revision GEC03T:Revision
Week18	CC01P:Practice CC07P:Practice CC11P:Preparationof Literature review on specific topic	CC05T:Revision CC07T:Revision DSE03T:Revision GEC01T:Revision GEC03T:Revision

NAME OF TEACHER: RITUPARNA KHAN

WEEK	PRACTICAL TOPICS	THEORETICAL TOPICS
1 TO 4	Sem1: none	Sem1: GEOACOR02T Cartographic
	Sem 3: none	techniques: Grids. Angular, linear
	Sem 5: GEOACOR12P: GIS	systems of measurement (cont.)
	practice	Sem 3: GEOACOR06T Geography of
		India: tectonic and stratigraphic
		provinces, physiographic divisions,
		climate, soil, vegetation
		Sem 5: GEOACOR11T: Fieldwork &
		Research Methodology: positioning
		and collection of samples
		Sem 5: GEODSE01T: Soil & Bio
		Geography: bio geography

5 TO 8	Sem1: none	Sem 1: GEOACOR02T Cartographic
	Sem 3: none	techniques: Grids. Angular, linear
	Sem 5: GEOACOR12P: GIS	systems of measurement (cont.)
	practice	Sem 3: GEOACOR06T Geography of
	Principle	India: population, tribes of India,
		agricultural regions
		Sem 5:GEOACOR11T: post field
		tabulation
		Sem 5: GEODSE01T: Soil & Bio
		Geography: bio geography
9 TO 12	Sem1: none	Sem 1: GEOACOR02T Cartographic
	Sem 3: none	techniques: Grids. Angular, linear
	Sem 5:GEOACOR12P: GIS	systems of measurement
	practice	Sem 3: GEOACOR06T Geography of
		India: mineral and power resources,
		industrial development
		Sem 5:GEOACOR12T: RS & GIS:
		concept of GIS, principles of preparing
		attribute tables and data manipulation
13	Sem1: none	Sem 1: GEOACOR02T Cartographic
	Sem 3: none	techniques: Grids. Angular, linear
	Sem 5:GEOACOR12P: GIS	systems of measurement
	practice	Sem 3: GEOACOR06T Geography of
		India: regionalisation
		Sem 5:GEOACOR12T: RS & GIS:
		principles of GNSS positioning and
		waypoint collection, transferring
		waypoints to GIS
		Sem 5: GEODSE01T: Soil & Bio
		Geography: bio geography
14	Sem1: none	Revision
	Sem 3: none	Revision
	Sem 5: Final sheet preparation	Revision
15 TO 17	Sem1: none	Revision
	Sem 3: none	Revision
	Sem 5: class test & viva	Revision
18	Sem1: none	Class tests
	Sem 3: none	Class tests
	Sem 5: class test & viva	Class tests

Name of the Teacher: Dr Shewli Shabnam

Paper: GEOACOR1T, GEOACOR2T & 2P, GEOACO 5T & 5P, GEOACOR7T & 7P, GEOACOR11T & 11P, GEOADSE03T, GEOHGEC01T, GEOHGE03T & 3P

Time	Semester	Theory syllabus to be covered	Practical syllabus to be
frame			covered
Week 1 to Week 4	I	GEOACOR1T: Earth's tectonic and structural evolution with reference to geological time scale GEOACOR2T: Concept and application of scales: Plain, comparative GEOHGE01T: Planetary wind System	GEOACOR2P: Graphical construction of scales: Plain, comparative
	III	GEOACOR5T: Circulation in the atmosphere: Planetary winds, jet stream, index cycle, Air mass GEOHGE03T: Map projections: Criteria for choice of projections, Attributes and properties of Zenithal Gnomonic Polar Case	GEOACOR5P: Interpretation of daily weather map: Monsoon and post-monsoon GEOHGE03P: Construction of Polar Zenithal Gnomonic Projection
	V	GEOACOR11T: Fieldwork in geographical studies: Role and significance, selection of study area and objectives, pre-field academic preparations, ethics of fieldwork, Field techniques and tools: Participant and non-participant observations, questionnaire (open, closed, structured and non-structured), interview GEOADSE03T: Development of population geography as a field of specialization, relation between population geography and demography, sources of population data, their level of reliability and problems of mapping	GEOACOR11P: Fieldwork and research methodology (Lab): Discussion about old field studies conducted by the department
Week 5 to Week 8	I	GEOACOR1T: Earth's interior with special reference to seismology GEOACOR2T: Concept and application of scales: Diagonal GEOHGE01T: Characteristics of Monsoon	GEOACOR2P: Graphical construction of scales: Diagonal
	III	GEOACOR5T: Fronts: Warm and cold, frontogenesis and frontolysis, Tropical and mid-latitude cyclone GEOACOR7T: Importance and significance of statistics in geography, Sources of geographical data for statistical	GEOACOR5P: Interpretation of daily weather map: Monsoon and post-monsoon GEOHGE03P: Construction of Polar

		analysis GEOHGE03T: Attributes and properties of Zenithal Stereographic Polar Case	Zenithal Stereographic Projection
	V	GEOACOR11T: Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording GEOADSE03T: Measurements of fertility and mortality, concept of cohort and life table, Population and development: population-resource regions	GEOACOR11P: Fieldwork and research methodology (Lab): Discussion and identification of the study area for field visit
Week 9 to Week 12	I	GEOACOR1T: Isostasy: Models of Airy and Pratt GEOACOR2T: Concept and application of scales: Vernier GEOHGE01T: Tropical cyclone	GEOACOR2P: Graphical construction of scales: Vernier
	III	GEOACOR5T: Climatic classification after Koppen, Thornthwaite (1955) and Oliver GEOACOR7T: Sampling: Need, types, and significance and methods of random sampling GEOHGE03T: Attributes and properties of Cylindrical Equal Area and Mercator's Projection	GEOACOR7P: From the data matrix a sample set (20%) would be drawn using random, systematic and stratified methods of sampling and locate the samples on a map with a short note on methods used GEOHGE03P: Construction of Cylindrical Equal Area and Mercator's Projection
	V	GEOADSE03: Migration: Causes and types, National and international patterns of migration with reference to India, Population policies in developed and less developed countries, India's population policies, population and environment dichotomy and implication for the future	GEOACOR11P: Fieldwork and research methodology (Lab): Collection of maps of the study area and secondary data analysis
Week 13	I	GEOACOR2T: Maps: Classification, types and components of a map GEOHGE01T: Revision	GEOACOR2P: Revision
	III	GEOACOR5T: Monsoon circulation and mechanism with reference to India GEOHGE03T: Concept of UTM projection	GEOACOR5P: Construction and interpretation of wind rose
	V	GEOADSE03: Concept of human development index and its components	GEOACOR11P: Fieldwork and research

Week 14 Week 15 to Week 17	I	Internal Examination GEOACOR1T: Plate tectonics GEOACOR2T: Coordinate systems: Polar and Rectangular GEOHGE01T: Climatic classification:	methodology (Lab): Preparation of field report GEOACOR2P: Revision
	III	Koppen GEOACOR5T: Condensation: Processes and forms, mechanism and forms of precipitation GEOHGE03T: Attributes and properties of Bonne's Projection GEOADSE03: Contemporary issues:	GEOACOR5P: Hythergraph and Climograph GEOHGE03P: Construction of Bonne's Projection GEOACOR11P:
	v	Ageing of population, declining sex ratio, HIV/AIDS	Fieldwork and research methodology (Lab): Preparation of field report
Week 18	I	GEOACOR1T &GEOACOR2T: Revision	GEOACOR2P: Revision
	III	GEOACOR5T: Revision	GEOACOR5P: Revision
	V	GEOACOR11T& GEOADSE03T: Revision	GEOACOR11P: Fieldwork and research methodology (Lab): Preparation of field report

BIDHANNAGAR COLLEGE, GOVERMENT OF WEST BENGAL, SALTE LAKE,

KOLKATA

TEACHING PLAN FOR ODD SEMESTER, UG COURSE DEAPARTMENT OF GEOGRAPHY

SESSION: 2020-21

CLASS: B.A/BSC.

SEMESTER: 2, 4 AND 6 SUBJECT: GEOGRAPHY

NAME OF THE TEACHER: D.C.DAS.

	Practical syllabus to be covered	Theory syllabus to be covered
Week 1 to week4	CC04P: Traverse survey using prismatic compass ,profile survey using dumpy level CC14P: preparation of project report on disaster management	CC04T: concept of rounding scientific notation logarithm and anti logarithm natural and log scales. CC09T: 1 .Tertiary activity transport, trade, service DSE04T: 5. Major relief feature of ocean floor: Characteristics of origin according to plate tectonics 7. water mass, T-S diagram
Week 5 to week 8	traverse survey using prismatic compass ,profile survey using dumpy level CC14P: preparation of project report on disaster management	CC04T: concept of rounding scientific notation logarithm and anti logarithm natural and log scales. CC09T: 2. Agricultural system case studies of tea plantation in India and mixed farming in Europe DSE04T: 5. Major relief feature of ocean floor: Characteristics of origin according to plate tectonics
Week 9 to week 12	cco4P: traverse survey using prismatic compass ,profile survey using dumpy level	CC04T: concept of rounding scientific notation logarithm and anti logarithm natural and log scales. CC09T: 3.Transnational sea routes, railway and highways with reference to India DSE04T:
	CC14P : preparation of project report on disaster management.	Physical and chemical properties of ocean water .
Week 13	CC04P: traverse survey using prismatic compass ,profile survey using dumpy level	CC04T: concept of rounding scientific notation logarithm and anti logarithm natural and log scales. CC09T: 2. Agricultural system case studies of tea plantation in India and mixed farming in Europe DSE04T: 7. water mass, T-S diagram
	CC14P : preparation of project report on disaster management.	DSEO-1. 7. Water mass, 1-5 diagram
Week 14	Internal Examination	Internal Examination

Week 15 to week 17	CC04P: traverse survey using prismatic compass ,profile survey using dumpy level CC14P: preparation of project report on disaster management.	CC04T: concept of rounding scientific notation logarithm and anti logarithm natural and log scales. CC09T: 2. Agricultural system case studies of tea plantation in India and mixed farming in Europe DSE04T: 7. water mass, T-S diagram
Week 18	PRACTICE	REVISIONS

NAME OF THE TEACHER: H.K. DATTA SUBJECT: GEOGRAPHY

Practical syllabus to be covered	Theory syllabus to be covered
CC04P: Profile Survey using	CC03T: HUMAN GEOGRAPHY: Types and
Dumpy Level.	patterns of Rural Settlement.
CC014P: Disaster Management.	CC04T: CARTOGRAMS AND THEMATIC
	MAPPING: Basic concept of: Dumpy Level and Theodolite.
	GEC02T: UNIT-I: MIGRATION: Types, Causes
	and consequences.
	CC08T: UNIT-II: THEORIES AND MODELS OF
	REGIONAL DEVELOPMENT: CUMULATIVE
	CAUSATION (MYRDALL).
	CC09T: UNIT-II: CONCEPT AND
	CLASSIFICATION OF ECONOMIC
	ACTIVITIES.
	CC010T: GEOGRAPHERS' APPROACH TO
	ENVIRONMENTAL STUDIES.
	GEC04T: ENVIRONMENTAL GEOGRAPHY:
	Concepts and approaches.
	CC014T: DISASTER MANAGEMENT
	UNIT-I: 4. Hazards mapping: Data and geospatial
	techniques(for hazards enlistednin Unit-II and Core
	14P)
	DSE04T: HYDROLOGY AND
	OCEANOGRAPHY UNIT I. 1. Systems approach in hydrologyu Clobal
	UNIT-I: 1. Systems approach in hydrology: Global
	hydrological cycle: Its physical and biological role 4. Groundwater: Occurrence and storage. Factors
	controlling recharge, discharge and movement.
	CC04P: Profile Survey using Dumpy Level.

Week 5	CC04P: Profile Survey using	CC03T: HUMAN GEOGRAPHY: Types and patterns
To	•	**
To Week 8	Dumpy Level. CC014P: Disaster Management.	of Rural Settlements. CC04T: CARTOGRAMS AND THEMATIC MAPPING: Basic concepts of: Dumpy level and Theodolite. GEC02T: UNIT-II: SECTORS OF THE ECONOMY: Primary, Secondary and quaternary. CC08T: UNIT-II: THEORIES AND MODELS OF REGIONAL DEVELOPMENT: Stages of development (Rostow). CC09T: UNIT-II: FACTORS AFFECTING LOCATION OF ECONOMIC ACTIVITY WITH SPECIAL REFERENCE TO AGRICULTURE (Von Thunen). CC010T: Concept of holistic environment and systems approach. GEC04T: ENVIRONMENTAL GEOGRAPHY- Human-Environment Relationship in equatorial, desert, mountain and coastal regions. CC014T: DISASTER MANAGEMENT UNIT-II: 5. Earthquake: Factors, Vulnerability, consequences and management DSE04T: HYDROLOGY AND OCEANOGRAPHY 2. Run Off: controlling factors. Infiltration and evapotranspiration. Run off cycle
Week 9 To Week 12	CC04P: Profile Survey using Dumpy Level. CC014P: Disaster Management.	CC03T: HUMAN GEOGRAPHY: Types and patterns of Rural Settlements. CC04T: CARTOGRAMS AND THEMATIC MAPPING: Basic concepts: Dumpy level and Theodolite. GEC02T: UNIT-II: Types and patterns of Rural Settlements. CC08T: THEORIES AND MODELS FOR REGIONAL DEVELOPMENT: Growth Pole Model(Perroux). CC09T: UNIT-II: FACTORS AFFECTING LOCATION OF ECONOMIC ACTIVITY WITH SPECIAL REFERENCE TO INDUSTRY (Weber). CC010T: ECOSYSTEM: Concept, Structure and Functions. GEC04T: Concept of holistic environment and system approach. CC014T: DISASTER MANAGEMENT UNIT-II:

		6. Landslide: Factors, vulnerability, consequences and management DSE04T: HYDROLOGY AND OCEANOGRAPHY UNIT-I: 3. Drainage basin as a hydrological unit. Principles of water harvesting and watershed management
Week 13	CC04P: Profile Survey using Dumpy Level. CC014P: Disaster Management.	CC03T: HUMAN GEOGRAPHY: Types and patterns of Rural Settlements. CC04T: CARTOGRAMS AND THEMATIC MAPPING: Basic concepts: Dumpy level and Theodolite. CC09T: UNIT-II: PRIMARY ACTIVITIES: Agriculture, Forestry, Fishing and mining. CC010T: ECOSYSTEM: Concept, Structure and Functions. CC014T: DISASTER MANAGEMENT UNIT-II: 8. Riverbank erosion: Factors, vulnerability, consequences and management DSE04T: HYDROLOGY AND OCEANOGRAPHY 4. Groundwater: Occurrence and storage. Factors controlling recharge, discharge and movement.
Week 14	INTERNAL EXAMINATION	INTERNAL EXAMINATION
Week 15 To Week 17	CC04P: Profile Survey using Dumpy Level. CC014P: Disaster Management.	CC03T: HUMAN GEOGRAPHY: Types and patterns of Rural Settlements. CC04T: CARTOGRAMS AND THEMATIC MAPPING: Basic concepts: Dumpy level and Theodolite. CC09T: UNIT-II: SECONDARY ACTIVITIES: Manufacturing (cotton textile, iron and steel), concept of manufacturing regions, special economic zones and technology parks. CC014T: DISASTER MANAGEMENT - Revision DSE04T: HYDROLOGY AND OCEANOGRAPHY - Revision

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Week 18	CC04P: Revision	CC03T: HUMAN GEOGRAPHY - Revision
	CC014P: Revision	CC04T: CARTOGRAMS AND THEMATIC MAPPING -
		Revision
		GEC02T: UNIT-I: MIGRATION - Revision
		GEC02T: UNIT-II: SECTORS OF THE ECONOMY -
		Revision
		GEC02T: UNIT-II: Types and patterns of Rural Settlements-
		Revision
		CC08T: UNIT-II: THEORIES AND MODELS OF
		REGIONAL DEVELOPMENT - Revision
		CC09T: UNIT-II: CONCEPT AND CLASSIFICATION OF
		ECONOMIC ACTIVITIES - Revision
		CC010T: GEOGRAPHERS' APPROACH TO
		ENVIRONMENTAL STUDIES - Revision
		GEC04T: ENVIRONMENTAL GEOGRAPHY – Revision
		CC014T: DISASTER MANAGEMENT - Revision
		DSE04T: HYDROLOGY AND OCEANOGRAPHY -
		Revision

Name of the teacher: Dr Somdatta Das

	Practical Syllabus To Be Covered	Theory Syllabus To Be Covered
Week 1 to	CC04P: Preparation of Choropleth CC03T: Concept and Classification o	
Week 4	Map	Race
	CC10P: Preparation of	CC04T: Choropleth, Isopleth,
	Schedule/Questionnaire	Proportional Circle
	CC14P: Preparation of Project Report	CC08T: Rank and Product Moment
	on Disaster Management	Correlation
		DSE06T: Iron ore, Bauxite ore, Coal
		and Petroleum Resources
		GEC02T: Race, Cultural Region
		GEC04T: Concept of Ecosystem
Week 5 to	CC04P: Proportional Pie Diagram	CC04T: Line Graph, Bar Graph,
Week 8	Preparation	Landuse and Landcover Map
	CC10P: Preparation of	CC03T: Ethnicity, Cultural Region,
	Schedule/Questionnaire	Cultural Region Based on Language
	CC14P: Preparation of Project	and Religion
	Report on Disaster Management	CC08T: Need for Regional Planning
		and Multilevel Planning in India
		SSEC02M: Linear and Simple
		Curvilinear Regression
		DSE06T: Natural Gas, Hydral Power,
		Nuclear Power

GEC02T: Trend and pattern of
Urbanisation
GEC04T: Function of Ecosystem

	Practical Syllabus To Be Covered	Theory Syllabus To Be Covered
Week 9 to	CC04P: Dots and Sphere Diagram	CC04T: Dots and Sphere
Week 12	Preparation	CC03T: Morphology of Urban
	CC10P: Preparation of	Settlement
	Schedule/Questionnaire	CC08T: Concept of Growth and
	CC14P: Preparation of Project	Development; Economic, Social and
	Report on Disaster Management	Environmental Indicators of
		Development
		SSEC02M: Introduction to
		Multivariable Analysis, Components of
		Time Series
		DSE06T: Non-conventional Energy
		Sources
		GEC02T: Trend and Pattern of
		Urbanisation
		GEC04T: Function of Ecosystem
Week 13	CC04P: Revision	CC04T: Revision
	CC10P: Revision	CC03T: Morphology of Urban
	CC14P: Preparation of Project	Settlement
	Report on Disaster Management	CC08T: Human Development
		SSEC02M: Time Series Analysis
		DSE06T: Sharing of Natural Resources
		particularly Water
		GEC02T: Illiteracy and Poverty
		GEC04T: Function of Ecosystem
Week 14	Internal Examination and Mid-term Te	
Week 15 to	CC01P: Practice	CC04T: Revision
Week 17	CC07P: Practice	CC03T: Revision
	Paper VIII: Preparation of Project	CC08T: Revision
	Report on Disaster Management	SSEC02M: Revision
		DSE06T: Water Resource Sharing
		GEC02T: Revision
		GEC04T: Revision

	Practical Syllabus To Be Covered	Theory Syllabus To Be Covered
Week 18	CC01P: Practice	Revision of all papers
	CC07P: Practice	
	Paper VIII: Preparation for Viva on	
	Project Report	

NAME OF TEACHER: RITUPARNA KHAN

WEEK	PRACTICAL TOPICS	THEORETICAL TOPICS
1 TO 4	Sem2: none	Sem2: GEOACOR03T Nature, scope and
	Sem 4: none	recent trends in Human Geography.
	Sem6: Disaster Management	Sem 4: GEOACOR08T Regional Panning:
	project	metropolitan concept & urban region
		Sem 4: GEOACOR09T Economic
		Geography: meaning and approaches,
		concepts
		Sem6: GEOACOR13T: Geographical
		Thought: development of geography,
		impact of dark age, age of discovery and
		exploration.
5 TO 8	Sem2: none	Sem 2: GEOACOR03T Approaches to
	Sem 4: none	study Human Geography.
	Sem6: Disaster Management	Sem 4: GEOACOR09T Economic
	project	Geography: concept of economic man,
		theories of choices, economic distance &
		transport costs, classification of economic
		activities, location theory, case studies of
		agriculture
		Sem6: GEOACOR13T: Geographical
		Thought: transition from cosmography to
		scientific geography, evolution of thoughts
		in Germany, France, Britain, USA
9 TO 12	Sem2: none	Sem 2: GEOACOR03T UNIT II:
	Sem 4: none	Evolution of human societies. Human
	Sem6: Disaster Management	adaptation to environment.
	project	Sem 4: GEOACOR09T transnational sea
		routes, railways, highways, international
		trade and economic blocs
		Sem6: GEOACOR14T: Disaster
		Management: classification of hazards and
		disasters, approaches to hazard study,
13	Sem2: none	responses to hazards Sem 2: GEOACOR03T Population-
13	Sem 4: none	resource regions.
	Sem6: Disaster Management	Sem 4: GEOACOR10T Environmental
	project	Geography: Geographers' approach to
		environmental studies, holistic
		environment, systems approach,
		ecosystem, environmental policies, global
		initiatives to environmental management
		Sem6: GEOACOR14T: Disaster
		Management: landslides, tropical cyclone

	Sem 4: none	Revision
	Sem6: Disaster Management	Revision
	project	
15 TO	Sem2: none	Revision
17	Sem 4: none	Revision
	Sem6: Disaster Management	Revision
	project	
18	Sem2: none	Class tests
	Sem 4: none	Class tests
	Sem6: Disaster Management	Class tests
	project signing	

Name of the Teacher: Dr Shewli Shabnam

Paper: GEOACOR3T, GEOACOR4T & 4P, GEOACOR8T, GEOACOR10T & 10P, GEOACOR13T, GEOACOR14P, GEOADSE06T, GEOHGEC02T, GEOHGEC04T

Time	Semester	Theory syllabus to be covered	Practical syllabus to be
frame			covered
Week 1 to	II	GEOACOR3T: Population growth and	GEOACOR4P: Maths
Week 4		distribution	related to bearing
		GEOACOR4T: Bearing: Magnetic and true	
		GEOHGEC02T: Factors of growth and	
		distribution of world population	
	IV	GEOACOR8T: Concept of regions: Types	GEOACOR10P:
		of regions and their delineation	Interpretation of air
		GEOACOR10T: Urban environmental	quality using CPCB/
		issues and concept of waste	WBPCB data
		GEOHGEC04T: Problems and management	
		of air & water pollution	
	VI	GEOACOR13T: Contributions of	GEOACOR14P:
		Humboldt and Ritter, Richthofen, Hettner,	Disaster management
		Ratzel	project
		GEOADSE06T: Natural resources: Concept	
		and classification, Significance of resource:	
		Backbone of economic growth and	
		development	
Week 5 to	II	GEOACOR3T: Population composition	GEOACOR4P: Traverse
Week 8		GEOACOR4T: Basic concept of surveying	survey using prismatic
		and prismatic compass	compass
		GEOHGEC02T: Demographic transition	
		theory	670 1 607 107
	IV	GEOACOR8T: Concept of regions: Types	GEOACOR10P:
		of regions and their delineation, Concept	Interpretation of air
		and causes of underdevelopment	quality using CPCB/
		GEOHGEC04T: Biodiversity loss	WBPCB data

	VI	GEOACOR13T: Contributions of Vidal de	I CERCIAL CIRTIP.
			GEOACOR14P:
		la Blache, Trends in geography in the post-	Disaster management
		World War-II period: Quantitative	project
		Revolution	
		GEOADSE06T: Approaches to resource	
		utilization: Utilitarian, Conservational,	
		Community-based adaptation	
Week 9 to	II	GEOACOR3T: Population composition	GEOACOR4P: Traverse
Week 12	11	GEOACOR4T: Basic concept of dumpy	survey using prismatic
WCCK 12		level	
			compass
		GEOHGEC02T: World population	
		composition: Age, gender, literacy	
	IV	GEOACOR8T: Regional development in	GEOACOR10P:
		India: Disparity and diversity	Preparation of check-list
		GEOHGEC04T: Solid and liquid waste	for EIA
		management	
	VI	GEOACOR13T: System approach in	GEOACOR14P:
		geography, Evolution of Critical geography:	Disaster management
		Behavioural and humanistic geography	project
		GEOADSE06T: Pressure on resources:	Project
		Appraisal and conservation of natural	
		resources	
West 12	TT		CEOA COD 4D.
week 13	11	<u> </u>	
		-	
	IV		
		GEOHGEC04T: Revision	_ -
			for EIA
	VI	GEOADSE06T: Sustainable resource	GEOACOR14P:
		development	Disaster management
			project
Week 14		Internal Examination	1 * 4
	II		GEOACOR4P:
1 /			Level
	11/	•	GEOACOP 10D:
	1 V		
		-	_ -
		<u> </u>	IOT EIA
		GEOHGEC04T: Problems and management	
		of desertification and soil erosion	
	VI	GEOACOR13T: Radical geography,	GEOACOR14P:
		Changing concept of time-space in	Disaster management
Week 14 Week 15 to Week 17	IV	Internal Examination GEOACOR3T: Space, society and cultural regions GEOHGEC02T: Migration: Types, causes and consequences GEOACOR8T: Need and measures for balanced development in India GEOACOR10T: Space-time hierarchy of environmental problems: Local, regional and global GEOHGEC04T: Problems and management of desertification and soil erosion GEOACOR13T: Radical geography,	Disaster management project GEOACOR4P: Levelling by Dumpy Level GEOACOR10P: Preparation of check-list for EIA GEOACOR14P:

		geography in the 21 st century GEOADSE06T: Problems of resource	project
		depletion- global scenario (forest, water, fossil fuel)	
Week 18	II	GEOACOR3T &GEOACOR4T: Revision	GEOACOR4P: Levelling by Dumpy Level
	IV	GEOACOR8T& GEOACOR10T: Revision	GEOACOR10P: Revision
	VI	GEOACOR13T& GEOADSE06T: Revision	GEOACOR14P: Disaster management project

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Odd Semester, UG course Department of Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 1,3 and 5. Name of the Teacher: Dr Sankha Priya Guha

Subject: Anthropology

Paper: ANTACOR01T, ANTACOR05T, 12T (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4		ANTCOR01T, Unit – II: Concepts of Society and Culture (Definitions and salient features) 1. Society, Group, Community Old 3 rd Year: Tribal Development in India.
Week 5 to week 8	Field work Preparation	ANTCOR01T Unit II: Social Institution, Social Unit, Social Association, Social Fact, Socialization, Social System (Social Structure & Social function), Status and Role, Social Stratification, Gender, Ethnicity.
		ANTACOR05T UNIT 1: Anthropological concept of tribes i. General traditional concept of tribes (Meaning and Criteria)
		UNIT 1: Anthropological concept of tribes General traditional concept of tribes (Meaning and
Week 9 to Week 12		ANTCOR01T Unit II: Social Institution, Social Unit, Social Association, Social Fact, Socialization, Social System (Social Structure & Social function), Status and Role, Social Stratification, Gender, Ethnicity.
Week 13		ANTACOR05T: UNIT 2: Tribes and wider world i. The history of tribal administration Traditional political organization of the Santals, the Garos, the Todas, the Chenchus ANTACOR12T Unit I: Applied fields of Anthropology Applied, Action and Development Anthropology: Definition, Meaning and Historical Development and Empirical examples from projects.
Week13	3 to week 14	Internal Exam
Week 15 to 17		ANTACOR12T Unit II: Role of Anthropology in Development Introduction to the Concepts of Development
Week 18	Field work Report	Revision

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Odd Semester, UG course Department of

Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 1,3, and 5 Name of the Teacher: Dr. Bandana Chakrabarti

Subject: Anthropology

Paper: ANTACOR04T, ANTACOR05T, 12T, DSE01 (Theory and Practical)

S. No Week 1 to week 4	Practical works to be covered (Paper code to be mentioned)	ANTACOR04TUnit-IV: The origin of Homo sapiens: Fossil evidences of Neanderthals: Classic Neandertals (La-Chapelle-Aux – saints), Progressive Neandertals (Tabun); Archaic Homo sapiens. Unit-V: Origin of modern humans (Homo sapiens sapiens): Cro-Magnon, Grimaldi, Chancelade: Distribution and features and their phylogenetic status. Unit-VI: Hominization process, Bio-cultural evolution of Man. Suggested Readings
		ANTADSE01T: INDIAN ARCHAEOLOGY
Week 4 to		
week 8		ANTACOT12T.Unit II: Role of Anthropology in Development Introduction to the Concepts of Development Anthropology & Anthropology of Development. Sustainable Development: Meaning, Characters and Empirical Projects. Concept of Development and Welfare;
Week 8 to		ANTACOR05TUnit 3: Anthropological study of Peasants
Week 12		 i. The concept of peasantry (definition and type) ii. Approaches to the study of peasants – economic, political and cultural. iii. Characteristics of Indian village: social organization; economy iv. Tradition and changes in Indian villages v. Caste and peasantry in India: origin history and present situation. vi. Changes in traditional caste system in India.
Week 13		ANTACOT12T.Unit II: Role of Anthropology in Development Development of tribal communities in India in relation to Economic, Social, Educational, Health & Environmental concern (Development programmes); Role of NGOs in Development Anthropology
Week13	to week 14	Internal Exam
Week 15 to 17		ANTACOR05T Unit 3: Anthropological study of Peasants ANTADSE01T: INDIAN ARCHAEOLOGY
Week 18		Revision

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for Odd Semester, UG course Department of

Anthropology

Session 2020-2021

Class: B. Sc

Semester 1, 3 and 5. Name of the Teacher: Dr Sudesna Chanda

Subject: Anthropology

Paper: ANTACOR01T,01P. ANTACOR06T, 07T, 6P,11T, DSE2T (Theory and Practical)

S. No	Practical works to be covered (Paper	Theory topics to be covered (Paper code to be mentioned)
	code to be mentioned)	
Week 1 to week 4	ANTACOR06P Craniometric Measurements (Skull & Mandible) (Direct measurements on at least 3 human skulls) Determination ABO and Rh(D) blood groups of ten subjects by direct slide method. Dermatoglyphics Paper 7/ Practical ANTACOR11P: HUMAN POPULATION GENETICS	ANTACOR01T/ Unit — I: Biological Anthropology: Definition, aim and scope; it's approaches — Bio-cultural, comparative and evolutionary. Concepts and application of adaptation and evolution in Biological anthropology Unit — II: Theories of organic evolution: Lamarckism, Neo- Lamarckism, Darwinism, Neo- Darwinism, Synthetic theory, Neutral theory; Some basic concepts of Evolution: Speciation - Allopatric, Parapatric, Sympatric ANTADSE02T: ANTHROPOLOGY OF HEALTH Theory ANTACOR06T: HUMAN ECOLOGY: BIOLOGICAL & CULTURAL DIMENSIONS ANTACOR11T: HUMAN POPULATION GENETICS
Week 5 to week 9	ANTACOR01P Unit – I: Identification of Human cranium – it's different normas – norma verticalis; norma lateralis; norma occipitalis; norma basalis; norma frontalis; Identification of Cranial bones: Frontal, Parietal, Temporal, Occipital, Maxilla, Zygomatic, Sphenoid, Mandible	ANTACOR01T Unit – IV: Human skeletal anatomy and functional morphology of bones as parts of total skeleton; relevance of studying human anatomy as a part of anthropology, classification of bones, their anatomical positions and functions. Unit – III: Study of Primates in evolution: 1. Primates: Definition, characteristics. 2. Classification of living primates up to family level with example (Simpson); concepts of Strepsirrhini and haplorrhine. ANTACOR07T: BIOLOGICAL DIVERSITY IN HUMAN POPULATIONS ANTACOR11T: HUMAN POPULATION GENETICS
Week 8 to Week 12	ANTACOR01P Unit – I Identification, anatomical position and side determination of Post- Cranial Bones: Scapula, Clavicle, Femur, Tibia, Fibula, Humerus, Radius, Ulna.	ANTACOR01T Unit – III: Study of Primates in evolution: 3. Primate evolutionary trends: limbs & locomotion, teeth & diet, senses, brain & behavior. Morphological and anatomical features of apes. Unit – IV: Human skeletal anatomy and functional morphology of bones as parts of total skeleton
Week 13	Paper 7/ Practical 1. Craniometric Measurements Linear: Maximum Cranial Length, Maximum Cranial Breadth, Morphological Facial Height, ANTACOR11P: HUMAN POPULATION GENETICS	ANTACOR01T Unit – IV: Human skeletal anatomy and functional morphology of bones as parts of total skeleton ANTACOR 06T, Unit III: Concepts of acclimatization, adaptation and adaptability; Adaptation to various ecological stressors: Temperature, Altitude and Nutrition; ANTACOR11TUnit V: Population structure and admixture in human populations ANTADSE02T: ANTHROPOLOGY OF HEALTH Theory
Week13	to week 14	Internal Exam
Week 15 to 17	ANTACOR11P: HUMAN POPULATION GENETICS Laboratory	ANTACOR07T/Unit IV: Modern concepts of population
	Note book	ANTACOR11T: HUMAN POPULATION GENETICS

Anthropology

Session (2020-2021)

Class: B. Sc

Semester~1, 3~and~5~~Name~of~the~Teacher:~Dr~Krishnendu~Polley

Paper: ANTACOR01P, 02T, 05P, 12T, DSE1T (Theory and Practical)

	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1		
to week 4		ANTACOR02TUnit II:
		Concepts of society and Culture
		(Brief notes on meaning, definition and salient features)
		Society, Group, Community, Social Institution, Social Unit,
		ANTACOR04TUnit-IV: The origin of Homo sapiens: Fossil
		evidences of Neanderthals: Classic Neandertals (La-Chapelle-
		Aux – saints), Progressive Neandertals (Tabun); Archaic Homo
		sapiens.
Week 5 to	ANTACOR01P Unit – I:	ANTACOR05T Unit 3:
week 9	Typo-technological	Anthropological study of Peasants
	attributes, cultural ages,	The concept of peasantry (definition and type)
	probable functions,	Approaches to the study of peasants – economic, political and
	method of hafting,	cultural.
	identification of cortex,	Characteristics of Indian village: social organization; economy
		ANTACOR04TUnit-IV:
		Unit-V: Origin of modern humans (Homo sapiens sapiens): Cro-
		Magnon, Grimaldi, Chancelade: Distribution and features and
		their phylogenetic status.
		Unit-VI: Hominization process, Bio-cultural evolution of Man. Suggested Readings
		Suggested Readings
Week 8 to	ANTACOR01P Unit – II:	ANTACOR05T Unit 3: Tradition
Week 12	Osteology	and changes in Indian villages
		Caste and peasantry in India: origin history and present situation.
		Changes in traditional caste system in India
Week 13		ANTACOR06T, Unit VI: Ecological themes of state
		formation: Neolithic revolution, ii. Hydraulic theory;
		Agriculture and peasantry; Industrial civilization and growth of
		urban societies.
		Unit I: Applied fields of Anthropology Applied, Action and Development Anthropology: Definition,
		Meaning and Historical Development and Empirical examples
		from projects. Brief discussion on modernization, dependency
		and world systems theory of Development Issues.
Week13	to week 14	Internal Exam
Week 15	Laboratory	ANTACOR12T, Unit IV: Anthropology and
to 17	Note-Book	Development in Indian Context

$\underline{\textbf{Teaching Plan for \ Odd Semester, UG course}}\ \underline{\textbf{Department of Anthropology}}$

Session (2020 -2021)

Class: B.Sc. Semester 1,3,5

Name of the Teacher: Kaushik Bhattacharya

Paper: ANTACOR01T, 05T, 12T, DSE3T (Theory and Practical)

	NTACOR01T, 05T, 12T, DSE3T	(Theory and Practical)
S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1 to week 4		ANTACOR01TUnit – I: 1. Fundamentals of Social-Cultural Anthropology: Definition, aim & scope, Distinctiveness - Holism, Cultural Relativism and Cross Cultural Comparison, Fieldwork in Anthropology - Importance and Genesis.
Week 5 to week 9	ANTA02P: Writing ONE CASE STUDY on any one of the following events from one family - Birth, Marriage, Death, Thread Ceremony.	ANTACOR01T Concepts of the major sub-fields: Economic Anthropology, Political Anthropology, Anthropology of Religion, Psychological Anthropology, Cognitive Anthropology, Medical Relationship with Social Sciences: Economics, Geography, History, Political Science, Psychology, Sociology.
Week 8 to Week 12	ANTA02P: Household ritual (e.g. Pujas/ brotos, religious ritual and festival of other communities).	Unit III: Religion: Definition and Anthropological approach; Animism, Animatism, Manaism, Totemism; Magic and Religion.
		ANTACOR05T UNIT 2: Tribes and wider world The history of tribal administration Traditional political organization of the Santals, the Garos, the Todas, the Chenchus Constitutional safeguards for the Indian tribes
Week 13		ANTACOR05T UNIT Tribes and wider world Issues of acculturation assimilation and integration Impact of development schemes and programmes on tribal life
Week13 to	week 14	Internal Exam
Week 15 to 17	Laboratory Note-Book	ANTACOR05T.Unit 4: Ethnicity in India i. Concepts and meaning of ethnicity ii. Tribal and peasant movements in colonial and post- colonial India ANTADSE03P: TRIBAL CULTURES AND TRIBAL DEVELOPMENT IN INDIA
Week 18	Revision	Revision

Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 1,3,5 Name of the Teacher: Kartik Chakraborty

Paper: ANTACOR01T, ANTACOR05T,12T, 1P, 6P, DSE3T (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1 to week 4	ANTA01P/UnitII: Anthroposcopy (atleast 10 subjects): Assessment of skin color: exposed (forehead) and unexposed (inner surface of the upper arm). Head Hair: form, color, texture, quantity, whorl (number and type), hair limit. ANTACOR06P: HUMAN ECOLOGY: BIOLOGICAL & CULTURAL DIMENSIONS	ANTACOR01T/ Unit III,4. Primate evolutionary trends: limbs & locomotion, teeth & diet, senses, brain & behavior. Morphological and anatomical features of apes viz. gibbons, orangutan, chimpanzee, gorillas. Comparison of morphological and anatomical features of humans and apes ANTACOR05T Unit 3: Anthropological study of Peasants The concept of peasantry (definition and type) Approaches to the study of peasants – economic, political and cultural. Characteristics of Indian village: social organization; economy Tradition and changes in Indian villages Caste and peasantry in India: origin history and present situation. Changes in traditional caste system in India.
	ANTA01P: Facial Hair: beard and moustache. Nose: depression of the nasal root, height of the nasal bridge, nasal profile, tip of the nose, inclination of the septum, nasal wings. Ear: size, shape, ear lobe (size, form and attachment), hypertrichosis of ear.	ANTACOR01T/ Concepts of the major sub-fields: Concept and brief overview of Linguistic Anthropology. Relationship with Social Sciences: Economics, Geography, History, Political Science, Psychology, Sociology. ANTACOR12T: ANTHROPOLOGY IN PRACTICE ANTADSE03P: TRIBAL CULTURES AND TRIBAL DEVELOPMENT IN INDIA
	ANTA02P: Household ritual (e.g. Pujas/ brotos, religious ritual and festival of other communities).	ANTACOR05T Unit III: Religion: Definition and Anthropological approach; Animism, Animatism, Manaism, Totemism; Magic and Religion.
Week 13	ANTACOR06P: HUMAN ECOLOGY: BIOLOGICAL & CULTURAL DIMENSIONS	ANTACOR05T UNIT 2: Tribes and wider world ANTACOR12T: ANTHROPOLOGY IN PRACTICE ANTADSE03P: TRIBAL CULTURES AND TRIBAL DEVELOPMENT IN INDIA
Week13	to week 14	Internal Exam
Week 15 to 17	Laborator y Note- Book	ANTACOR05T Unit 4: Ethnicity in India Concepts and meaning of ethnicity, Tribal and peasant movements in colonial and post-colonial India ANTACOR12T: ANTHROPOLOGY IN PRACTICE
Week 18	Revision	Revision

Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 1, 3,5 Name of the Teacher: Soumita Biswas
Paper: ANTACOR02T, 05T, 12T,2P, DSE3T (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	Theory topics to be covered (raper code to be mentioned)
Week 1	(Paper code to be mentioned)	ANTEACOROATE
to week 4		ANTACOR02T Unit – III: Social Organization:
		1. Family: Definition, Types & Functions, Changes due
		to Industrialization & Urbanization (with special
		reference to Indian Context).
		reference to indian context).
Week 5 to wee	ANTAOOD, Writing ONE	ANTACOR02T
8	ANTA02P: Writing ONE CASE STUDY on any one	Unit – III/ 2. Marriage: Definition, Types,
	of the following events	Preferential & Prescribed forms of marriage,
	from one family - Birth,	Functions of marriage, Universality of marriage,
	Marriage, Death, Thread	Incest taboo, Ways of acquiring mates in tribal
	Ceremony, Household	society, Forms of marital transaction and exchange
	•	theory (Dowry, Bride price, Gift), Post-marital
	ritual (e.g. <i>Pujas/ brotos</i> ,	residence, Divorce & Remarriage.
	religious ritual and festival of other communities).	
	of other communities).	ANTADSE03P: TRIBAL CULTURES AND TRIBAL
		DEVELOPMENT IN INDIA
		DEVELOTIVENT INTOIN
Week 9 to	ANTA02P: Drawing ONE	Kinship: Definition, Structure of kinship (Murdock);
Week 12	GENEALOGICAL CHART	Function of kinship, Kinship behaviour - Avoidance,
	(with kinship terminology)	Joking, Couvade, Teknonymy;
	of one family(Minimum 3	ANTACOR12T
	generations).	Unit IV: Anthropology and Development in Indian
	<i>g</i>	Context
		Major tool used in rural development and management-
		RRA and PRA; Local Self-Government (Constitutional
		provisions, Composition, Electoral Process, Membership,
		Functions, importance in decentralization of power) -
		Rural (Panchayat Raj System), Urban (Municipality and
		Municipal Corporation).
Week 13	Preparation of SCHEDULE /	ANTACOR05T, Unit 3: Anthropological study of Peasants
	QUESTIONNAIRE any one of	
	the following:	Approaches to the study of peasants – economic, political and
	Enumeration form (Census)	cultural.
	Schedule for understanding	Tradition and changes in Indian villages
	Economic Pursuit	Caste and peasantry in India: origin history
	Schedule for understanding	Changes in traditional caste system in India.
	Political Organization	ANTADSE03P: TRIBAL CULTURES AND TRIBAL DEVELOPMENT IN INDIA
	8	
Week13	3 to week 14	Internal Exam
Week 15		Unit IV:
to 17		Concept of
		Ethnicity
Week 18	Revision	Revision
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Anthropology

Session (2020-2021)

Class B.Sc. Semester 2,4,6

Name of the Teacher: Dr Sankha Priya

Guha

Paper: ANTACOR04T, 08T,14T, DSE5T (Theory and Practical)

Week 1 to week 4	S. No	Practical works to be covered	(Theory and Practical) Theory topics to be covered (Paper code to be mentioned)
Introduction to Archaeological Anthropology Definition and scope of Archaeological Anthropology Definition and scope of Archaeological Anthropology Relationship with other disciplines - history anthropology and other natural sciences. ANTACOR14T: ANTHROPOLOGY OF INDIA Unit Indian Anthropology Origin, History, Growth and Develop of Anthropology (Mentioning Phases or Stages); ANTACOR04T: unit I			
Meck 5 to week 5 to week 8 ANTACOR04T; unit II: Religion: Definition and scope of Archaeological Anthropology Relationship with other disciplines - history anthropology and other natural sciences. ANTACOR04T; unit I	Week 1		ANTACOR04T: unit I:
Relationship with other disciplines - history anthropology and other natural sciences. ANTACOR14T: ANTHROPOLOGY OF INDIA Unit Indian Anthropology: Origin, History, Growth and Develop of Anthropology (Mentioning Phases or Stages); ANTACOR04T: unit I A brief introduction to different cultural stages in Prehistory Protohistory; ANTACOR08T UNIT I: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at large Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Week 12 Week 12 Week 13 ANTACOR14TI, T.C. Das, P.K. Bhownick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, feature: their phylogenetic relationships ANTACOR05T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY	to week 4		Introduction to Archaeological Anthropology:
week 12 Week 12 Week 13 Week 15 Week 16 Week 17 ANTACOROST Week 17 ANTACOROST Week 17 ANTACOROST Week 18 Week 18 Week 19 Week 19 Week 19 Week 19 Week 19 Week 19 Week 10 ANTACOROST Week 10 ANTACOROST UNIT II Cultural Relativism, Historical particularism: theories. Week 10 ANTACOROST UNIT I Cultural Relativism, Historical particularism: theories. Week 16 ANTACOROST UNIT I Century Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTACOROST: RURAL AND URBAN ANTHROPOLOGY. ANTACOROST: Laboratory Note-Book ANTACOROST: Laboratory Note-Book ANTACOROST: RURAL AND URBAN ANTHROPOLOGY.			Definition and scope of Archaeological Anthropology,
Week 5 to week Week 5 to week Week 5 to week Week 5 to week ANTACOR04T: unit 1 A brief introduction to different cultural stages in Prehistor, Protohistory; ANTACOR08T UNIT 1: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Week 12 Week 13 Week 13 Week 13 Week 13 Week 14 ANTACOR04TUnit - I: S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, feature their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 Week 15 ONE-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			Relationship with other disciplines - history,
Indian Anthropology: Origin, History, Growth and Develop of Anthropology (Mentioning Phases or Stages); Week 5 to week 8			anthropology and other natural sciences.
Week 5 to week Social Cultural Management of theory; The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTACOR08T UNIT I: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12			ANTACOR14T: ANTHROPOLOGY OF INDIA Unit - I:
Week 5 to week 8			
A brief introduction to different cultural stages in Prehistor, Protohistory; ANTACOR08T UNIT I: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Week 9 to Week 12 Week 12 Week 13 Week 13 ANTACOR14TUnit - I: S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; ANTACOR04T, Dryopithecus, Sivapithecus, distribution, feature: their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			
A brief introduction to different cultural stages in Prehistory, Protohistory; ANTACOR08T UNIT I: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Week 12 Week 12 Week 13 Week 13 Week 13 Week 13 Week 13 Week 13 Week 14 Internal Exam Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			
ANTACOR08T UNIT I: Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 12 Week 12 Week 12 Week 13 Week 13 Week 13 Week 14 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY	8		A brief introduction to different cultural stages in Prehistory and
Theory: What is it? How to frame a theory? The Boundaries of theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 12 Week 12 Unit III: Religion: Definition and Anthropological approach Animism, Animatism, Manaism, Totemism; Magic and Religion. ANTACOR14TUnit - I: S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, feature: their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			
theory; Importance of studying theory in Social Sciences at larg Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Unit III: Religion: Definition and Anthropological approach Animism, Anaism, Manaism, Totemism; Magic and Religion. ANTACOR14TUnit - I: S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			
Social-Cultural Anthropology in particular, Nineteenth Century ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Week 9 to Week 12 Unit III: Religion: Definition and Anthropological approach Animism, Animatism, Manaism, Totemism; Magic and Religion. ANTACOR14TUnit - I: S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, feature: their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			· · · · · · · · · · · · · · · · · · ·
Week 9 to Week 12 Week 12 Week 12 Week 12 Week 13 Week 13 Week 15 to 17 ANTACOR08T UNIT II Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			
Week 12 Week 12 Week 12 Week 12 Week 12 Week 13 Week 13 Week 14 Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			Social-Cultural Anthropology in particular, Nineteenth Century
Week 13 Week 14 Meek 15 to 17 Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR05T.UNIT I Cultural Relativism, Historical particularism: theories. Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			Unit III: Religion: Definition and Anthropological approach;
S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.	Week 12		Animism, Animatism, Manaism, Totemism; Magic and Religion.
Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13			ANTACOR14TUnit - I:
Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial Linguistic elements in Indian population; Week 13 ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			S.C. Roy, I. Karve, D.N. Majumdar, N.K. Bose, M.N. Srinivas, L.P.
Linguistic elements in Indian population; ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week13 to week 14 Internal Exam Week 15 to 17 ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			Vidhyarthi, T.C. Das, P.K. Bhowmick, Busoga and S.S. Sarkar, SRK
Week 13 Week 13 Week 13 Week 14 Internal Exam Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			Chopra, HD Sankalia, D. Sen, D.K. Bhattacharya; Racial and
their phylogenetic relationships ANTACOR08T.UNIT II Cultural Relativism, Historical particularism: theories. Week 15 to 17 Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			Linguistic elements in Indian population;
Week 15 to 17 Laboratory Note-Book Laboratory Note-Book Laboratory Note-Book ANTACOR08T UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.	Week 13		ANTACOR04T, Dryopithecus, Sivapithecus, distribution, features and
Week 15 to 17 Laboratory Note-Book Meek 15 Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			
Week 15 to 17 Week 15 to 17 Week 15 to 17 Week 15 to 17 Laboratory Note-Book			ANTACOR08T.UNIT II
Week 15 to 17 Laboratory Note-Book Laboratory Note-Book UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.			Cultural Relativism, Historical particularism: theories.
to 17 Note-Book UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.	Week13 to	week 14	Internal Exam
Note-Book UNIT I Century Evolutionism: E.B. Tylor and L.H. Morgan. Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY.		Laboratory	ANTACOR08T
Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY	to 17	Note-Book	UNIT I
Neo-Evolutionism: L White; Multilinear Evolution: Julian Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			Century Evolutionism: E.B. Tylor and L.H. Morgan.
Steward. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			
ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY			· · · · · · · · · · · · · · · · · · ·
			ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 18 Revision Revision	Week 18	Revision	Revision

Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 2,4 6 Name of the Teacher: Dr Bandana Chakraborti

Paper: ANTACOR03T, ANTACOR03P, ANTACOR10T, (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1 to week 4	ANTACOR03P/ Unit – I: Drawing and labeling of Tool types: Identification of Typotechnological attributes, cultural ages, probable functions,	ANTACOR03T/Unit – II: Unit –II: Methods of Estimation of time in archaeology: Concept of chronology in Prehistory, Following dating methods are to be studied based on the points - discovery, first use, datable material, basic principle, precautions, method of sample collection, advantages and disadvantages, specific examples; Methods of dating: Stratigraphy, Typo-technological analysis, C14, K/Ar, Dendrochronology, TL; Concept of Absolute (Chronometric) and Relative (Non-Chronometric) dating methods.
	ANTACOR03P/ Unit – I: Method of hafting, identification of cortex, flake scar, ripple mark.	ANTACOR03T/Unit – V: World prehistory: Africa: The earliest Paleolithic assemblages of Africa - Oldowan, Acheulian; Middle Stone Age, Later Stone Age; Europe: Acheulian, Levalloisian, Middle and Upper Paleolithic Culture, Mesolithic Culture, Neolithic Culture. Old 3 rd Year: Mesolithic, Neolithic Culture ANTACOR03T/Unit – V Prehistoric art (home and cave art); India: The earliest Paleolithic assemblages,
Week 13	to week 14	ANTACOR03T/Unit – V Acheulian, Middle Paleolithic Culture, Upper Paleolithic, Micro-blade assemblages, Late Stone Age and Neolithic Culture, Megaliths. ANTACOR10T Unit III: Iimportance of consent, privacy and confidentiality in research Internal Exam
Week 15 to 17	Laborator y Note- Book	ANTACOR10T Unit III: Ethics of Research
Week 18	Revision	Revision

Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 2,4, 6 Name of the Teacher: Dr Sudesna Chanda

Paper: ANTACOR04T, ANTACOR04P, ANTACOR09T ANTACOR09P(Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1	ANTACOR04P/	ANTACOR04T Unit –II
to week 4	Unit – I:	Unit – I: Paleoanthropology: Definition, aim & scope;
	Identification of	Fossils - Process of fossilization, Significance of fossils.
	extant anthropoid	ANTH CORATE ALL A CHI
	skulls with reference	ANTACOR04T, Unit-I: Oligocene Anthropoids:
	to features relevant to Hominid evolution	Parapithecus, Aegyptopithecus; Primate origins and radiation with special reference to Miocene hominoids: Dryopithecus,
	(Gorilla, Chimpanzee,	Sivapithecus, distribution, relationships
	Orangutan and	ANTACOR09T.Unit I: Concepts of human growth,
	Gibbon).	development and maturation; Cellular processes: hyperplasia,
	Globolly.	hypertrophy and accretion;
	ANTACOR09P: HUMAN	Unit II: Methods of studying human growth and development:
	GROWTH AND	cross sectional, longitudinal, mixed and linked longitudinal.
	DEVELOPMENT	ANTACOR13T: FORENSIC ANTHROPOLOGY
Week 5 to	ANTACOR04P/	ANTACOR04T/ Unit V: La-Chapelle-Aux—saints, Tabun
week 8	H. Sapiens	Man; Phylogenetic position.
	neanderthalensis (La-	
	Chapple-aux-saints),	ANTACOR09T, Unit V: Growth and Nutritional Status: Growth
	H. sapiens sapiens	retardation and faltering: low birth weight, stunting, wasting and
	(Cro- Magnon).	underweight in children, concept of z-score statistic, MAM and SAM in
	ANTACOR13P: FORENSIC	children, Kwashiorkor, Marasmus;
	ANTHROPOLOGY	ANTACOR13T: FORENSIC ANTHROPOLOGY
Week 9 to	Old 3rd Year: Paper VII	ANTEL CODOOT II ', III C
Week 12	Anthropometry, Skinfold	ANTACOR09T Unit III: Stages of growth: Prenatal and Post-
	measurements,	natal period of growth (general characteristics), growth spurt,
	Dermatoglyphics.	Scammon 's curves of systemic growth; chronological age and biological age.
	ANTACOR09P: HUMAN	Unit IV: Distance and velocity growth curves: their features and
	GROWTH AND	significance. Growth reference, growth standard, growth chart,
	DEVELOPMENT	Variation in normal growth curve (concepts of canalization, Catch –
		up growth).
		ANTACOR13T: FORENSIC ANTHROPOLOGY
Week 13	ANTACOR09P: HUMAN	Old 3rd Year: Paper V: Chromosomal aberrations
	GROWTH AND	Unit V: Growth and Nutritional Status: Growth retardation and
	DEVELOPMENT	faltering: low birth weight, stunting, wasting and underweight in
Week13	to week 14	Internal Exam
Week 15	Practical	ANTACOR13T, Unit-V
to 17	Flactical	· · · · · · · · · · · · · · · · · · ·
W 17		Individualization: Forensic Odontology- tooth Structure and
		growth, bite marks, facial reconstruction, DNA Profiling:
		principles and application.
Week 18	Revision	Revision

Anthropology

Session (2020-2021)

Class: B.Sc. Semester 2,4, 6

Semester 2,4, 6 Name of the Teacher: Dr Krishnendu Polley Paper: ANTACOR03T, ANTACOR03P, 10T, 10P, (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	(Paper code to be mentioned) ANTACOR03P/ Unit – I: Identification of extant anthropoid skulls with reference to features relevant to Hominid evolution (Gorilla, Chimpanzee, Orangutan and Gibbon).	ANTACOR03T: Unit — I: Introduction to Archaeological Anthropology: Definition and scope of ArchaeologicalAnthropology, Relationship with other disciplines - history, anthropology and other natural sciences. Prehistory: Definition, aim, scope, concept of periodization — ANTACOR10T Qualitative research and quantitative research, their relationship and uses in anthropology. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 5 to week 8	ANTACOR03P/ Unit – I: Drawing and labeling of Tool types: Identification of Typotechnological attributes,	ANTACOR03T Unit —II: Methods of Estimation of time in archaeology: Concept of chronology in Prehistory, following dating methods are to be studied based on the points - discovery, first use, datable material, basic principle, precautions, method of sample collection, advantages and disadvantages, specific examples; Methods of dating: Stratigraphy, Typo-technological analysis, C14, K/Ar, Dendrochronology, TL; Concept of Absolute (Chronometric) and Relative (Non-Chronometric) dating methods.
		Unit – V: World prehistory: Africa: The earliest Paleolithic assemblages of Africa - Oldowan, Acheulian; Middle Stone Age, Later Stone Age;
Week 9 to Week 12	ANTACOR03P/ Unit – I: cultural ages, probable functions, method of hafting, identification of cortex, flake scar, ripple mark, striking platform, point of impact, positive and negative bulb of percussion (wherever applicable):	ANTACOR03T Unit – IV: Typo-technological Study of Stone tools: Concept of tool types, primary and combination fabrication technology, Basic concept of stone tool manufacturing technology and estimation of their relative efficiency, basic ideas about identification of core and flake tools. ANTACOR10T Unit I: Research Design Review of literature, conceptual framework, formulation of research problem, formulation of hypothesis, ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 13	Unit – II: Drawing and labeling of Pottery (any two) (In absence of original specimens, cast or distinct photographs may be utilized).	Unit III: Climatic fluctuations of Pleistocene period in Europe, Africa and India, Glacial and Pluvial zones, Evidences of Pleistocene period for reconstruction of paleo-environment - Moraine, Glacio-fluvial deposits, River terraces, U-shaped valley, Loess, Gravel and Silt deposition; Holocene period. Importance of paleo-environmental study in paleoanthropology and prehistory
Week13	to week 14	Internal Exam
Week 15 to 17	Laborator y Note- Book	Revision
Week 18		Revision

Teaching Plan for Even Semester, UG course

Department of Anthropology

Session (2020-2021)

Class: B.Sc.

Semester 2,4, 6 Name of the Teacher: Kaushik Bhattacharya

Paper: ANTACOR04T, 3T, ANTACOR03P, 10T, 14T, DSE5T (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4		ANTACOR03T Unit – V: World prehistory: Africa: The earliest Paleolithic assemblages of Africa - Oldowan, Acheulian; Middle Stone Age, Later Stone Age; Europe: Acheulian, Levalloisian, Middle and Upper Paleolithic Culture, Mesolithic Culture, Neolithic Culture. ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 5 to week 8		 Unit – III: Australopithecines: Distribution and types, features and their phylogenetic relationships; Evolution & extinction of Australopithecines. Appearance of genus Homo (<i>Homo habilis</i>) morphological features and related finds; Phylogenetic status of <i>Homo habilis</i>. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 9 to Week 12	ANTACOR03P/ Unit I: Tool typology, cultural ages, probable functions,	Unit – IV: Tool manufacturing technology and estimation of their relative efficiency, basic ideas about identification of core and flake tools. ANTACOR10T Unit II: Field work tradition in Anthropology Theoretical approaches Cultural relativism, ethnocentrism, etic and emic perspectives, comparative and historical methods, inductive and deductive approach techniques of rapport establishment; identification of representative categories of informants, maintenance of field diary and
		logbook ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 13		ANTACOR03T. Unit III: Importance of paleo-environmental study in paleoanthropology and prehistory
		ANTACOR10T Unit IV: Analysis and Writing Up Chapterization, preparing a text for submission and publication, concepts of preface, notes (end and footnotes), glossary, prologue and epilogue, appendix, bibliography (annotated) and references cited, review and index Introduction of software for data analysis.
Week13	to week 14	Internal Exam
Week 15 to 17	Laborator y Note- Book	ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 18	Revision	Revision

<u>Teaching Plan for Even Semester, UG course</u> <u>Department of</u>

Anthropology

Session (2020-2021)

Class: B.Sc. Semester 2, 4, 6

Name of the Teacher: Kartick Chakraborty

Paper: ANTACOR04P, ANTACOR03T, 08T, 14T, DSE 05T (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
	(Paper code to be mentioned)	
Week 1 to week 4	ANTACOR04P/ Unit – II: Identification of extinct anthropoid remains: Parapithecus mandible, Dryopithecus mandibular fragment, Australopithecus africanus, One typical specimen of H. habilis, H. erectus (Java and Peking man),	ANTACOR03T: Unit – I: Introduction to Archaeological Anthropology: Definition and scope of Archaeological Anthropology, Relationship with other disciplines - history, anthropology and other natural sciences. Prehistory: Definition, aim scope, concept of periodization - Three Age System. Definition of Tool, Artifact, Industry, Assemblage; A brief introduction to different cultural stages in Prehistory and Protohistory; Unit – VI: Origin of modern humans (Homo sapiens sapiens): Anatomically modern Homosapiens (AMHS) ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 5 to	ANTACOR03P/	Unit – V: World prehistory: Africa: The earliest
week 8	Unit – I: Drawing and labeling of Tool types: Identification of Typotechnological attributes,	Paleolithic assemblages of Africa - Oldowan, Acheulian; Middle Stone Age, Later Stone Age; Europe: Acheulian, Levalloisian, Middle and Upper Paleolithic Culture, Mesolithic Culture, Neolithic Culture. ANTACOR10T Unit IV: Analysis and Writing Up 1. Chapterization, preparing a text for submission and publication, concepts of preface, 2. Introduction of software for data analysis.
		ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 9 to Week 12	ANTACOR09P: HUMAN GROWTH AND DEVELOPMENT	Unit – III: Prehistoric art (home and cave art); India: The earliest Paleolithic assemblages, Acheulian, Middle Paleolithic Culture, Upper Paleolithic, Micro-blade assemblages, Late Stone Age and Neolithic Culture, Megaliths. ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY
Week 13		Unit III: Climatic fluctuations of Pleistocene period in Europe, Africa and India, Glacial and Pluvial zones
Week13	to week 14	Internal Exam
Week 15		ANTE A CODION
Week 15 to 17	Laborator y Note- Book	ANTACOR10T Unit IV: Analysis and Writing Up ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 18	Revision	Revision

<u>Teaching Plan for Even Semester, UG course</u> <u>Department of</u>

Anthropology

Session (2019-2020)

Class: B.Sc.

Semester 2,4, 6 Name of the Teacher: Soumita Biswas

Paper: ANTACOR03T, ANTACOR10T, DSE5T, 14T (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4		ANTACOR03T: Unit – I: Introduction to Archaeological Anthropology: Definition and scope of Archaeological Anthropology, Relationship with other disciplines - history,
		ANTADSE05T: RURAL AND URBAN ANTHROPOLOGY Unit: II: Agrarian Social Structure, Agrarian Unrest & Changing Rural Society. Peasant Movements in India. Peasant Movements in
		Pre and Independence India: Moplah Rebellion ((1921); Naxalbari Struggle & Other Contemp peasant struggles.
		ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 5 to week 8		ANTADSE05T: URBAN ANTHROPOLOGY
		Unit 1: Introducing the Concepts:
		Defining the Concepts:
		ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 9 to Week 12		ANTACOR 03T/ Unit – III: Upper Paleolithic, Microblade assemblages, Late Stone Age and Neolithic Culture, Megaliths.
		ANTACOR10T, Unit IV: Analysis and Writing Up 1. Chaptalization, preparing a text for submission and publication, concepts of preface, notes (end and footnotes), glossary, prologue and epilogue, appendix, bibliography (annotated) and references cited, review and index 2. Introduction of software for data analysis.
Week 13		Unit III: Climatic fluctuations of Pleistocene period in Europe, Africa and India, Glacial and Pluvial zones
		ANTACOR14T: ANTHROPOLOGY OF INDIA
Week13	to week 14	Internal Exam
Week 15 to 17		ANTACOR10T Unit I: Qualitative research and quantitative research, their relationship and uses in anthropology
		ANTACOR14T: ANTHROPOLOGY OF INDIA
Week 18	Revision	Revision

BIDHANNAGARCOLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Plan for Back Semester, UG Course Department of Philosophy Session (2020-21)

Class: B.A.

Semester: 1, 3 and 5 Subject: Philosophy

Paper: CC 2, CC 7 and DSE-2

Name of the Teacher: Mrinal Kanti Sarkar

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Sem 1: Sem 3 : Sem-5	PHIACOR02T: Propositional Logic PHIACOR07T:Concept of Critical Theory, PHISSEC01M- Media Ethics DSE-2: Killing, Suicide and Euthanasia
Week 5 to week 8	Sem 1: Sem 3 : Sem-5	PHIACOR02T: The Method of Truth table and Truth Tree as decision procedures PHIACOR07T:Possibility of Metaphysics and Copernican Revolution, PHISSEC01M- Media Ethics DSE-2: Human Rights-Discrimination and its different types
Week 9 to Week 12	Sem 1: Sem 3: Sem-5	PHIACOR02T: Concept of Tautologous, Contradictory and Contingent PHIACOR07T: Distinction between Analytic and Synthetic Judgement DSE-2:War,Violance and Terrorism
Week 13	Sem 1: Sem 3: Sem-5	PHIACOR02T: Method of Deduction-Constuction of formal proof of validity by using 19 Rules PHIACOR07T: Possibility of Synthetic a priori Judgement DSE-2: Concept of Environmental Ethics
Week13 t	o week 14	Internal Exam
Week 15 to 17	Sem 1: Sem 3: Sem-5	PHIACOR02T: IP and CP PHIACOR07T: Space and Time, PHISSEC01M- Media Ethics DSE-2: Feminist Ethics, Care ethics, female foeticide abortion
Week 18	Revision, Practise	Revision

BIDHANNAGARCOLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Plan for Even Semester, UG Course Department of Philosophy Session (2020-21)

Class: B.A.

Semester: 2, 4 and 6

Name of the Teacher: Mrinal Kanti Sarkar

Subject: Philosophy

Paper: CC 4, CC 8 and DSE05T (Theory)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Sem 2: Sem 4: Sem 6:	PHIACOR04T: Need for Quantification Theory PHIACOR08T: Concept of Social Philosophy and Political Philosophy, PHISSEC02M- Business Ethics DSE05T:Problems of Philosophy-Appearance and Reality
Week 5 to week 8	Sem 2: Sem 4: Sem 6:	PHIACOR04T: Quantifiers, Propositional Functions and Quantifier PHIACOR08T: Basic Concepts of Society, Community Association. PHISSEC02M- Business Ethics DSE05T:Knowledge by acquaintance and knowledge by description
Week 9 to Week 12	Sem 2: Sem 4 : Sem 6:	PHIACOR04T: Individual Constant and Individual Variables PHIACOR08T: Caste and Cast ,Social groups DSE05T:On Induction
Week 13	Sem 2: Sem 4 : Sem 6:	PHIACORO2T: Quantification Rules and proving validity PHIACOR08T: Social Change-Marxist and Gandhian View DSE05T: The value of Philosophy
Week13 t	o week 14	Internal Exam
Week 15 to 17	Sem 2: Sem 4 : Sem 6:	PHIACOR02T: Proving Validity and Invalidity PHIACOR08T: Family ,The Marxist interpretation of Family DSE05T: Russell, Problems of Philosophy
Week 18	Revision, Practise	Revision

BIDHANNAGARCOLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Plan for Odd Semester, UG Course Department of Philosophy Session (2020-21)

Class: B.A.

Semester: 1, 3 and 5

Name of the Teacher: Utpal Mandal

Subject: Philosophy

Paper: CC 2, CC5 , DSE03Tand CC 12 (Theory)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Sem 1:	PHIACOR02T : Statement and Statements forms
to week 4	Sem 3:	PHIACOR05T: Brief description of Empiricism
	Sem 5	PHIACOR012T:Defination Dharma,Sadharana
		DSE03T: Proofs for the existence of God ,Ontological
Week 5 to	Sem 1:	PHIACOR02T : The Method of Truth table
week 8	Sem 3:	PHIACOR05T:Locke-Ideas and their classification
	Sem 5	PHIACOR012T: Vishesh, Varna Dharma, Ashram Dharma swadharma
		DSE03T: Cosmological, Teleological and Moral
Week 9 to	Sem 1:	PHIACOR02T: Truth Tree Method
Week 12	Sem 3 :	PHIACOR05T: Refutation of innate ideas, Substance
	Sem 5	PHIACOR012T: Karma-Nitya Naimittik ,Kamya
		DSE03T:Ground for the disbelieve in God, Sociological and Freudian
		Theory
Week 13	Sem 1:	PHIACOR02T : Method of Deduction-Construction of formal
	Sem 3:	proof of validity by using 19 Rules
	Sem 5	PHIACOR05T: Locke's realism and theory of knowledge
		PHIACOR012T: Nishkam, Sanchita, Sanchiyoman and Pararabdha Karma
		DSE03T:Some major Religious : Hinduism, Buddhism
Week13 to	week 14	nternal Exam
Week 15	Sem 1:	PHIACOR02T : IP and CP
to 17	Sem 3:	DSE03T: Christianity and Islam Dharma
	Sem 5	
Week 18	Revision, Practise	Revision

BIDHANNAGARCOLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Plan for Even Semester, UG Course Department of Philosophy Session (2020-21)

Class: B.A.

Semester: 2, 4 and 6

Subject: Philosophy

Paper: CC 4, CC 9 and CC14 (Theory)

Name of the Teacher: Utpal Mandal

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Sem 2:	PHIACOR04T : Difference between Deduction and Induction
to week 4	Sem 4 :	PHIACOR09T: Relation between Philosophy of Mind ,Psychology
	Sem 6	and Philosophy of Psychology
		PHIACOR014T:Some modern Indian Thinkers
Week 5 to	Sem 2:	PHIACOR04T : Mills Method and Copi's Criticism
week 8	Sem 4 :	PHIACOR09T: Psychology as Science, Associationism-Perception
	Sem 6	and learning
		PHIACOR014T:Vivekananda:Practical Vedanta,On Yoga ,unification of Religions
Week 9 to	Sem 2:	PHIACOR04T: Induction per simple enumeration, Analogical
Week 12	Sem 4 :	Inference
	Sem 6	PHIACOR09T: Gestalt Theory of Perception and learning
		PHIACOR014T: Gandhi: Sarvadaya, Non-violence and Trustiship, Caste
Week 13	Sem 2:	PHIACOR04T : Concept of Hypothesis
	Sem 4 :	PHIACOR09T: Methods of psychology(Introspection,
	Sem 6	Extrospection)
		PHIACOR014T: Aurobindo: Evolution and Involution
Week13 to	week 14	nternal Exam
Week 15	Sem 2:	PHIACOR04T : Criteria of Scientific Hypothesis
o 17	Sem 4:	PHIACOR09T: Experimental method
0 17	Sem 6	PHIACOR014T: Ambedkar: Caste, Equality and Fraternity
Veek 18	Revision, Practise	Revision

Bidhannagar College

Teaching Plan for Odd Semester

Philosophy

Session 2020-2021

Name of the Teacher: Du. Sankalitz Genom

Week	Semester	Paper	Subject
Week 1-4	Sem-I	CC-1	about descentes there of Substance + Sinoger - gump
	Sem-III	CC-6	Samkhya Philosophy (Duhkkha-traya, Satkaryavada as opposed to Asatkaryavada, argument in favour of Satkaryavada, Prakrti its constituents and evolutes, Arguments for the existence of prakriti, purusa Arguments for its existence, plurality of purusa, liberation, Yoga Citta, Cittabhumi)
	Sem-V	CC-11	Indian Philosophy of Language [Tarkasamgraha- Sabdobodha]
Week 5-8	Sem-I	CC-1	Spinoga-Substance Attributes & Modes, Existènce of God.
	Sem-III	CC-6	Yoga Philosophy (Cittavrtti, Cittavrtti nirodha, Astangayoga concept of Isvara), Minasa (Ampalablini, Articipatri)
	Sem-V	CC-11	Indian Philosophy of Language [Tarkasamgraha- Sabdobodha]
Week 9-12	Sem-I	CC-1	Pautheism, Theory of Knowledge (Spinogs). Leibnitz (Innale Idea, Monad)
	Sem-III	CC-6	Vedanta (sankera: Satta Transidyevade, Grahmen-jiva, jagat, heya,
	Sem-V	CC-11	Indian Philosophy of Language [Tarkasamgrah- Sabdobodhaa]
Week 15-17	Sem-I	CC-1	Leibnitz (fretis of Reason, Truths of Fact, Pre-established Harmony.
	Sem-III	CC-6	Medantz: Ramarty (Refritation of Mays, Brookman
	Sem-V	CC-11	Indian Philosophy of Language [Tarkasamgraha - Sabdobodha]
Week 18			Revision, Class Test etc.

Bidhannagar College

Teaching Plan for Even Semester

Philosophy

Session 2020-2021

Name of the teacher: Du. Sankaite Ghom

Week	Semester	Paper	Subject
Week 1-4	Sem-II	CC-3	Introduction, Astika Schools, Nyaya Philosophy(Four Pramanas, Pratyaksa-Definition, Classification-Nirvikalpaka-Savikalpaka, Laukika-Aloukika), Pratyavijna
	Sem-IV	CC-10	Tarkasamgraha- Karana, Karana, Anubhava, Yathartha, Ayathartha
	Sem-VI	CC-13	Western Epistemology -Knowledge
Week 5-8	Sem-II	CC-3	Nyaya - Anumana Pramana- Definition, Paksa, Sadya, Hetu, Vyapti, Vyaptigrohopaya, Svarthanumana, Pararthanumana,)
	Sem-IV	CC-10	Tarkasamgraha: Anumiti Pramana
	Sem-VI	CC-13	Western Epistemology -Theories of Truth, The Problem of induction
Week 9-12	Sem-II	CC-3	Nyaya – Upamana & Sabda Pramana, Vaisesika – Dravya, Guna, Karma, Samanya, Visesha
		Tarkasamgraha Anumiti Pramana	
	Sem-VI	CC-13	Western Metaphysics – The problem of Universal, Realism, Idealism, Phenomenalism
Week 15-17	Sem-II	CC-3	Vaisesika- Samavaya, Abhava, Paramanuvada
	Sem-IV	CC-10	Tarkasamgraha- Anumiti Pramana
	Sem-VI	CC-13	Western Metaphysics – The Causal Principles
Week 18			Revision, Class Test Etc.

Teaching Planfor Odd Semester, UG course

Department of Philosophy Session (2020-21)

Class: B.A.

Semester 1, 3, 5

Name of the Teacher: PARAMITA BASU

Subject: Philosophy

Paper: CC 1, CC7, GE3, CC12, DSE3 (Theory)

Paper	r: CC 1, CC7, GE3, CC12, DSE3	(Theory)
S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	Paper A:	PaperA: PHIACOR01T: Introduction, Cosmology-Origin
to week 4	Paper B:	(Ionian), Being and Change (Eliatics), Process Philosophy
	Paper C etc:	(Heraclitus)
6400	No. of the Control of	Paper B: PHIACOR07T : Definition, Scope, Presuppositions,
	di-vision di salamana di salam	Basic Concepts of Morality, Moral Problems
	in pro-side and the side of th	Paper C : PHIHGECO3T : Brief Introduction to Indian
		Philosophy, Carvaka Epistemology and Metaphysics, Nyaya
		Introduction, Epistemology – Classification of Pramanas
		Paper D: PHIACOR12T: Introduction & Features of Indian
The state of the s		Ethics, Difference from Western Ethics, Karmoyoga (cont.)
		Paper E: PHIADSE03T : Spirituality, Religiosity Paper A: PHIACOR01T : The Sophists, Introduction and a brief
Week 5 to		Paper A: PHIACORUIT: The Sophists, introduction and a site
week 8	Paper B:	Life-sketch of Descartes, Method of Doubt Paper B: PHIACOR07T : Moral action, Object of Moral Judgment,
	Paper C etc:	a brief concept of Descriptivism
		Paper C : PHIHGECO3T : Nyaya Epistemology – Pratyaksha
		Lakshana, Classifications: Determinate and Indeterminate,
		Sannikarsha – Laukika and a-laukika , Anumana
		Paper D: PHIACOR12T: Karmoyoga , Sthitaprajna, Yogakhema
		Paper E: PHIADSE03T : Difference of Spirituality and Religiosity
*** 1.0		Paper A: PHIACOR01T : a summary of Method of Doubt, Cogito,
Week 9 to	Paper A:	Different Types of Ideas
Week 12	Paper B:	Paper B: PHIACOR07T : Descriptivism vs Normativism and
	Paper C etc:	Prescriptivism, Deontologism
		Paner C: PHIHGECO3T: Vaisesika Metaphysics
		Paper D. PHIACOR12T: Yoggkhema (detailed), Lokasamgraha
		Paper E: PHIADSE03T: Difference between Sacred and Profane
W 1 12	Dames A.	Paper A: PHIACOR01T : Descartes' Criterion of Truth
Week 13	Paper A:	Paper B : PHIACORO7T : Teleologism
	Paper B: Paper C etc:	Paper C: PHIHGECO3T: Vaisesika Metaphysics - Abhava
a a a a a	Paper Cetc.	Paper D: PHIACOR12T: Purusarthas
		Paper E: PHIADSE03T : Magic
Wook 13	to week 14	Internal Evam
Week 15	Paper A:	Paper A: PHIACOR01T :Descartes' Theory of Knowledge, Theory
to 17	Paper B:	of Cubstance
10 17	Paper C etc:	Paper B: PHIACOR07T: Naturalism, Naturalistic Fallacy
	Taper e etc.	Paran C. DUINGECOST: Advaita Metaphysics
		Paper D: PHIACOR12T: Interrelations among different
		Purusarthas, Sukhavada-Carvaka
		Paper E: PHIADSE03T : Magic and Religion
Week 18	Revision, Practise	Revision
WCCK TO		

Teaching Planfor Even Semester, UG course

Department of Philosophy Session (2020-21)

Class: B.A.

Semester: 2, 4, 6

Name of the Teacher: PARAMITA BASU

Subject: Philosophy

Paper: CC 3, CC 10, GE4, DSE6 (Theory)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper A: Paper B: Paper C etc:	Paper A: PHIACOR03T: Introduction, Basic Concepts of Rta, Rna, Yajna, Panca-kosha, Atman, Brahman, Jiva, sreyas, preya, moksha Paper B: PHIACOR10T: Brief Overview of Tarkasamgraha, Karana, Kaarana, Different Pramanas, Importance of Pratyaksha among Different Pramanas Paper C: PHIHGEC04T: Introduction, Difference between Indian and Western Ethics, Purusarthas, Karma Paper D: PHIADSE04T: Chapter 7, 8 (Partial)
Week 5 to week 8	Paper A: Paper B: Paper C etc:	Paper A: PHIACOR03T: Carvaka Epistemology and Metaphysics, Bauddha Four Noble Truths Paper B: PHIACOR10T: Pratyaksha lakshana, Laukika and Alaukika Pratyaksha, Different kinds of Laukika Sannikarsha Paper C: PHIHGEC04T: Carvaka Ethics, Buddhist Ethics, Jaina Ethics Paper D: PHIADSE04T: Chapter 8 (remaining), Chapter 9
Week 9 to Week 12	Paper A: Paper B: Paper C etc:	Paper A: PHIACOR03T: Bauddha theories of Pratityasamutpadavada, Ksnabhangavada, Nairatmyavada, Basic tenets of Four Bauddha Schools Paper B: PHIACOR10T: Different stages of Pratyaksha - Nirvikalpaka and Savikalpaka Pratyaksha, their lakshana and differences Paper C: PHIHGEC04T: Moral and Non-moral Actions, Teleological Ethics – Hedonism – Psychological Ethical, Ethical Egoism, Utilitarianism – Mill (Introduction) Paper D: PHIADSE04T: Chapter 10 and 11(Introductory)
Week 13	Paper A: Paper B: Paper C etc:	Paper A: PHIACOR03T: Jaina Introduction, Jiva, Ajiva Paper B: PHIACOR10T: Justification for admitting Nirvikalpaka pratyaksha Paper C: PHIHGEC04T: Utilitarianism – Mill and Bentham Paper D: PHIADSE04T: 11
Week13	3 to week 14	Internal Exam
Week 15 to 17	Paper A: Paper B: Paper C etc:	Paper A: PHIACOR03T: Jaina -Dravya, Guna, Paryaya, Anekantavada, Syadavada Paper B: PHIACOR10T: Upamana pramana Paper C: PHIHGEC04T: Deontological Ethics - Kant, Theories of Punishment Paper D: PHIADSE04T: Chapter 12
Week 18	Revision, Practise	Revision

Teaching Plan for oddSemester UG course

Department of Philosophy

Session(2020-2021)

Class: B.A

Semester1,3,5

Name of the Teacher: Tanima Chatterjee

Subject : Philosophy

Paper: CC1,CC5, CC11,DSE03T,GEC01T

SI. No	WEEK	Theory Syllabus to be covered
1.	Week 1 to week4	PHIACOR01T:Theory of knowledge and opinion
		PHIADSE03T : Problem of evil (Hospers)
		PHIACOR5T: Hume: Impression and Idea
		PHIACOR11T :Western philosophy of language:John
		Hospers Word -Meaning
		PHIHGECO1T : Basic concept to Contraposition
2.	Week 5 to week 8	PHIACOR01T: Refutation of Plato's theory of knowledge by
		Aristotle
		PHIACOR05T: Association of Ideas
		PHiACOR11T: Ambiguity
		PHIHGEC01T: Categorical proposition to syllogism
3.	Week 9 to week 12	PHIACOR01T: Plato's theory of Idea, Mediaeval;
J.	Week 5 to Week and	reason,faith
		PHIACOR05T: Relation of Ideas and Matters of Fact
		PHIACOR11T: Vagueness
		PHIHGEC01T: Venn diagram
4.	Week 13	PHIACOR01T: Aristotle's refutation of Plato's theory of
4.	***************************************	Idea,God:Aquinas
		PHIACOR05T:Causality
		PHIACOR11T: Practice from covered topics
		PHIHGEC01T: Symbolic Logic
5.	Week 13to14	Internal exam
6.	Week 15 to17	PHIACOR01T :Aristotle: Form and Idea, Augustine
0.		PHIACOR05T: Scepticism
		PHIACOR11T: Speech Act by P.Alston
Jan.		PHIHGECO1T : Inductive logic
7.	Week 18	Revision

Teaching Plan for evenSemester UG course

Department of Philosophy

Session(2020--2021)

Class: B.A

Semester 2,4,6

Name of the Teacher: Tanima Chatterjee

Subject: Philosophy

Paper: CC4,CC9,DSE06T,GEC02T

SI. No	WEEK	Theory Syllabus to be covered
1.	Week 1 to week4	PHIACOR04T:Probability
		PHIACOR09: Relation between Psychology and
		philosophy of mind ,Psychology as science.
		PHIADSE06T: Chapter1 and 2
		PHIHGECO2T: Theories regarding origin of knowledge
2.	Week 5 to week 8	PHIACOR04T: Induction per simple enumeration
		PHIACOR09T: Methods of Psychology, Perception-
		Associationism ,Gestalt theory of perception
		PHIADSE06T: Chapter 3
		PHIHGEC02T:Realism and Idealism
3.	Week 9 to week 12	PHIACOR04T: Analogical Inference
J.		PHIACOR09T: Associationism- Learning ,Gestalt
		theory of learning
		PHIADSE06T: Chapter 4
		PHIHGEC02T: Substance
4.	Week 13	PHIACOR04T: Probability Practice
		PHIACOR09T: freud's theory-Conscious and
		unconscious; Id ,ego, super ego ; Behaviourism.
		PHIADSE06T: Chapter 5
		PHIHGECO2T: Causality
5.	Week 13to14	Internal exam
6.	Week 15 to 17	PHIACOR04T: Criteria of scientific hypothesis
	1.1444)	PHIACOR09T: Relation between mind and body
		PHIADSE06T: Chapter 6
		PHIHGECO2T: Relation betweenmind and body.
7.	Week 18	Revision

Teaching Plan for Odd Semester, UG course

Department of Statistics

Session 2020-21

Class:B.A/ B.Sc Semester 1,3,5

Name of the Teacher: Mr. Arup Kumar Hait

Subject: Statistics

Paper: STSACOR01, STSACOR11, STSACOR12(Theory and Practical)

bus to be covered	SACOR12(Theory and Practical) Theory syllabus to be covered (Paper code to be
be mentioned)	mentioned)
1P	STSACOR01T
cal representation of nd Leaf Display	Definition and scope of Statistics, concepts of statistical population and sample. Data: quantitative and qualitative, attributes, variables, scales of
1 P	measurement: nominal, ordinal, interval and ratio. Presentation: tabular and graphical, including histogram and
mination of trend rve fitting mination of trend by a averages 2P and quantity index ers using simple and ted average of price es. culate the Chain Base numbers.	ogives, column diagram and step diagrams. Stem and Leaf display. STSACOR11T Time Series as a Stochastic Process. Time Series data. Application of time series from various fields, Components of a times series, Decomposition of time series. Estimation of trend by free hand curve method, method of semi averages, fitting mathematical curves, and growth curves. Method of moving averages. STSACOR12T Index Numbers, price, quantity and value indices, choice of weights, Various formulae and their comparisons. Tests of index numbers. Fisher's ideal index number. Chain Index Number.
1P ms based on measures	STSACOR01T Measures of Central Tendency: mathematical and positional.
ral tendency.	, , , , , , , , , , , , , , , , , , , ,
mination of seasonal as by method of ges, Ratio to Trend, to Moving Averages ink Relative method onic Analysis	STSACOR11T Estimation of seasonal component by Method of simple averages, Ratio to Trend, Ratio to Moving Averages and Link Relative method. Harmonic Analysis. Variate component method. STSACOR12T Consumer Price Index, Wholesale Price index & Index of industrial Production- methods of construction and uses.
to M ink R	oving Averages Relative method

	Problems on cost of living index numbers.	Definition of national income. A brief account of product, expenditure and income approaches for estimation of National Income.
Week 9 to Week 12	 STSACOR01P Problems based on measures of dispersion. Problems based on combined mean and variance and coefficient of variation. STSACOR11P Correlogram Analysis STSACOR12P Lorenz curve. Pareto and lognormal fitting. 	STSACOR11T Measures of Dispersion: range, quartile deviation, mean deviation, standard deviation, coefficient of variation. STSACOR11T Stationary Time series Weak stationarity, autocorrelation function and correlogram .Some Special Processes: Movingaverage (MA) process and Autoregressive (AR) process of orders one and two, STSACOR12T Measurement of poverty and inequality, Desirable properties and different descriptive measures including Gini's coefficient, Lorenz curve. Use of Pareto and Log Normal distributions. Measures of unemployment. Comparative Social Statistics, Indices related to human development and gender disparity.
Week13 to	week 14	nternal Exam
Week 15 to 17	• Problems based on moments, skewness and kurtosis. STSACOR11P	STSACOR01T Moments, absolute moments, factorial moments, Measures of skewness and kurtosis. Box Plot. Sheppard's corrections (without proof).
	• Fitting of AR 1 and AR 2 models	STSACOR11TEstimation of the parameters of AR (1)
	Simple Exponential Smoothing	and AR (2) – Yule-Walker equations. Simple Exponential smoothing. STSACOR12T Present official statistical system in India, Methods of collection of

Class: B.Sc. (Honours)
Semesters: 1, 3,5 (CBCS)

Name of the Teacher: Kiranmoy Chatterjee

Subject: Statistics

Paper: STSACOR02T, STSACOR05T, STSACOR05P, STSACOR12T, STSACOR12P (CBCS)

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	Paper STSACOR12P(CBCS):	Paper STSACOR02T(CBCS):
to week 4	1. Price and quantity index numbers	Vector spaces, subspaces, sum of subspaces, Span. Linear
	using simple and weighted average	dependence and independence, basis and dimension, dimension
	of price relatives.	theorem.
	2. To calculate the Chain Base	
	index numbers.	Paper STSACOR05T(CBCS):
	3. Problems on cost of living index numbers.	Unit 1: Two dimensional random variables: Discrete
		Paper STSACOR12T(CBCS):
	Paper STSSSEC01M(CBCS):	Index Numbers, price, quantity and value indices, choice of
	Statistical Data Analysis Using C-	weights, Various formulae and their comparisons. Tests of index
	programming and Software	numbers. Fisher's ideal index number. Chain Index Number.
	Packages Minitab: Unit 1	Consumer Price Index
Week 5 to	Paper STSSSEC01M(CBCS):	Paper STSACOR02T(CBCS):
week 8	Statistical Data Analysis Using C-	Orthogonal vectors, Gram-Schmidt orthogonalization, ortho-
	programming and Software	complement space. Null space and nullity. A review, theorems
	Packages Minitab: Unit 2	related to triangular, symmetric and skew symmetric matrices,
		idempotent matrices, orthogonal matrices, singular and non-
		singular matrices and their properties. Trace of a matrix.
		Paper STSACOR05T(CBCS):
		Unit 2: Two dimensional random variables: Continuous
		Paper STSACOR12T(CBCS):
		Wholesale Price index & Index of industrial Production- methods
		of construction and uses. Definition of national income. A brief
		account of product, expenditure and income approaches for
		estimation of National Income
Week 9 to	Paper STSACOR05P(CBCS):	Paper STSACOR02T (CBCS):
Week 12	1. Problems based on the property	Row space and column space of a matrix. Definition, properties
	of normal distribution.	and applications of determinants for 3rd and higher orders,
	2. To find the ordinate for a given area for normal distribution.	evaluation of determinants of order 3 and more using
	3. Application-based problems	transformations. Symmetric and Skew symmetric determinants, Circulant determinants and Vandermonde determinants for nth
	using normal distribution.	order.
	4. Fitting of normal distribution	order.
	when parameters are given.	Paper STSACOR05T(CBCS) :
	5. Fitting of normal distribution	Unit 3: Generating Functions
	when parameters are not given.	Unit 4: Standard continuous probability distributions:
	6. Fitting of some other continuous	Uniform, normal, exponential, Cauchy, beta, gamma, lognormal
	distributions.	distributions
		distributions

	Paper STSACOR12P(CBCS): 4. Lorenz curve. 5. Pareto and lognormal fitting. Paper STSSSEC01M(CBCS): Statistical Data Analysis Using C-programming and Software Packages Minitab: Unit 3	Paper STSACOR12T(CBCS): Unit 2: Measurement of poverty and inequality and Social Statistics: Measurement of poverty and inequality, Desirable properties and different descriptive measures including Gini's coefficient, Lorenz curve. Use of Pareto and Log Normal distributions. Measures of unemployment. Comparative Social Statistics, Indices related to human development and gender disparity.
Week 1	3-14: Internal Exam (for CBC	S) and Class Tests (for Part II & III in 1+1+1 system)
Week 15 to 17	Paper STSSSEC01M(CBCS): Statistical Data Analysis Using C- programming and Software Packages Minitab: Unit 4	Paper STSACOR02T: Jacobi's Theorem. Product of determinants. Adjoint and inverse of a matrix and related properties. Use of determinants in solution to the system of linear equations.
		Paper STSACOR05T(CBCS): Unit 4: Standard continuous probability distributions: Logistic, double exponential and Pareto along with their properties and limiting/approximation cases. Bivariate Normal Distribution and its properties (Statement only).
		Paper STSACOR12T(CBCS): Unit 3: Official Statistics Unit 3: Different Government Organizations

Class:B.Sc

Semester 1, 3 and 5 Name of the Teacher: Suryasish Chatterjee

Subject: Statistics

Paper: STSACOR02T, STSACOR06T, STSACOR06P, STSADSE02T, STSADSE02P

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	Paper STSACOR06P:	Paper STSACOR02T:
to week 4	 Testing of significance for single proportion and difference of two proportions. Testing of significance for single Poisson mean and difference of 	Sequence of real numbers and their convergence, limits of sequences, Cauchy's general principle of convergence, Cauchy's first theorem on limits, monotonic sequences, limit superior and limit inferior of a bounded sequence
	means of two independent Poisson distributions.	Paper STSACOR06T: Definitions of random sample, parameter and statistic, sampling distribution of a statistic.
	Paper STSADSE02P:	Distributions of functions of random variables. Illustration

1. Testing of significance and
confidence intervals for single
proportion and difference of two
proportions using CLT.
2. Tablian of similian and

2. Testing of significance and confidence intervals for single Poisson mean and difference of two Poisson means using CLT table.

through simple transformation and generating function technique.

Paper STSADSE02T:

Convergence in Probability, Weak Laws of Large Numbers and their applications, Convergence in

Distribution, relation between two kind of convergence, Slutsky's Theorem, De-Moivre-Laplace

Limit Theorem. Normal approximation to Poisson distribution, Statement of Central Limit Theorem

(iid case) and its use in test and confidence interval for binomial proportions and Poisson means.

Week 5 to week 8

Paper STSACOR06P:

- 3. Testing of significance and confidence intervals for single mean and difference of two means and paired tests.
- 4. Testing if the population variance has a specific value and its confidence intervals

Paper STSADSE02P:

- 3. Testing of significance and confidence intervals concerning sample standard deviation, coefficient of variation and correlation coefficient (both single sample, two sample cases).

 4. Testing of significance and
- 4. Testing of significance and confidence intervals using variance stabilizing transformations.

Paper STSACOR02T:

Infinite series, positive-termed series and their convergence.

Comparison tests, D'Alembert's ratio

test and Cauchy's nth root test, (Statements and examples only). Absolute convergence of series,

Leibnitz's test for the convergence of alternating series, Conditional convergence.

Paper STSACOR06T:

Definition and derivation of p.d.f. of $\chi 2$ with n degrees of freedom (d.f.) using m.g.f., nature of p.d.f.

curve for different degrees of freedom, mean, variance, m.g.f., mode, additive property and limiting

form of $\chi 2$ distribution. Student's and Fishers t-distribution, Derivation of its p.d.f., nature of

probability curve with different degrees of freedom, mean, variance, moments and limiting form of t distribution

Paper STSADSE02T:

Derivation and uses of large sample standard error of sample moments, Standard deviation,

Coefficient of Variation, b_1 & b_2 measures, Correlation coefficient. Asymptotic distribution of sample

quantiles. Transformation of Statistics, Derivation and use of sin-1, square root, logarithmic & Fisher's Z- transformations.

Week 9 to Week 12

Paper STSACOR06P:

- 5. Testing of significance and confidence intervals of correlation coefficient.
- 6. Testing of equality of population variances for two independent

Paper STSACOR02T:

Statement of the fundamental theorem of algebra and its consequences. Relation between roots and coefficients of any polynomial equations. Solutions of cubic and biquadratic equations when some conditions on roots of equations are given

	normal populations and related confidence intervals. table.	Paper STSACOR06T: Snedecore's F-distribution, Derivation of p.d.f., nature of p.d.f. curve with different degrees of freedom, mean, variance and mode. Distribution of $1/F(n_1,n_2)$. Relationship between t, F and $\chi 2$ distributions. Sampling distributions of sample mean and sample variance when parent population is normal. Null distribution of sample correlation coefficient (statement only).
		Exact tests relating to Binomial proportion (s) and Poisson mean (s) Paper STSADSE02T: Consistency Asymptotic efficiency, ARE, CAN and BAN estimators. Properties of MLE (statement only) and their uses in testing and confidence interval
Week 13	Paper STSACOR06P: 7. Testing of ratio of variances for bivariate normal population and related confidence interval Paper STSADSE02P: 5. Determination of the minimum sample size required to achieve normality by sample proportion, mean and standard deviation. 6. Tests for goodness of fit, independence and homogeneity using Pearsonian chi-square statistic	Paper STSACOR06T: Null and alternative hypotheses, level of significance, Type I and Type II errors, their probabilities and critical region. Tests of significance and confidence intervals based on χ_2 , t and F distribution when samples are generated from Univariate and Bivariate normal population (s) Paper STSADSE02T: Large Sample distribution of Pearsonian χ_2 statistic, its uses goodness of fit.
Week 1	3 to week 14	Internal Exam
Week 15 to 17		Paper STSACOR06T: Introduction, distribution of the rth order statistic, smallest and largest order statistics. Joint distribution of rth and sth order statistics, distribution of sample median and sample range Paper STSADSE02T:
		Chi square tests for independence, homogeneity. Yates' correction in a 2x2 contingency table.

Class:B.Sc

Semester 3 and 5 Name of the Teacher: Soumyadeep Das

Subject: Statistics

Paper: STSACOR07T, STSACOR07P, STSHGEC03T, STSHGEC03P, STSADSE01T,

STSADSE01P

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	Paper STSACOR07P:	Paper STSACOR07T:
to week 4	1. To select a SRS with and without	Concept of population and sample, complete enumeration versus
	replacement.	sampling, sampling and non-sampling errors. Types of sampling:
	2. For a population of size 5,	non-probability and probability sampling, basic principles of
	estimate population mean,	sample survey, simple random sampling with and without
	population mean square and	replacement, definition and procedure of selecting a sample,
	population variance. Enumerate all	estimates of population mean, total and proportion, variances of
	possible samples of size 2 by WR	these estimates, estimates of their variances and sample size
	and WOR and establish all	determination.
	properties relative to SRS.	Paper STSHGEC03T:
	3. For SRSWOR, estimate mean,	Estimation of population mean, confidence intervals for the
	standard error, the sample size	parameters of a normal distribution (one sample and two sample
	Paper STSHGEC03P:	problems). Paper STSADSE01T:
	 Estimators of population mean. Confidence interval for the 	Introduction to Categorical Data, 2 X 2 contingency table, notion
	parameters of a normal distribution	of independence & association, ideas of complete and absolute
	(one sample and two sample	association. Yules measures of association and colligation,
	problems).	Cramer's measure of association, Extension to kxl contingency
	Paper STSADSE01P:	table: Pearson's chi-square, Kendall's tau's, Goodman-Kruskal's
	1. Regression diagnostics	γ.
	2. Measures of association for 2x2	'
	contingency table.	
Week 5 to	Paper STSACOR07P:	Paper STSACOR07T:
week 8	4. Stratified Sampling: allocation of	Stratified random sampling, Technique, estimates of population
	sample to strata by proportional and	mean and total, variances of these estimates, proportional and
	Neyman's methods. Compare the	optimum allocations and their comparison with SRS. Practical
	efficiencies of above two methods	difficulties in allocation, estimation of gain in precision.
	relative to SRS.	Paper STSHGEC03T:
	5. Estimation of gain in precision in	The basic idea of significance test. Null and alternative
	stratified sampling.	hypothesis. Type I & Type II errors.
	Paper STSADSE01P:	Paper STSADSE01T:
	3. Relative risk, odds ratio	Difference of proportions, relative risk, odds ratio, log odds ratio;
	4. Measures of association for kxl contingency table.	types of observational studies.
Week 9 to	Paper STSACOR07P:	Paper STSACOR07T:
Week 12	6. Comparison of systematic with	Systematic Sampling, Technique, estimates of population mean
	stratified sampling and SRS in the	and total, variances of these estimates (N=n x k case). Comparison
	presence of a linear trend.	of systematic sampling with SRS and stratified sampling in the
		presence of linear trend and corrections.
	Paper STSADSE01P:	Paper STSHGEC03T: level of significance, concept of p-value.

	5. Fitting a logit model	Damer CTC ADCEDIT.
	6. Fitting a probit model 7. Fitting of multiple logistic regression. table.	Paper STSADSE01T: Generalized linear Model, Components of a generalized linear model, Random component, systematic component, Link function. Generalized linear model for binary data, Logistic and probit regression model, Multiple logistic regression. Model fitting by using score function.
Week 13	Paper STSACOR07P:	Paper STSACOR07T:
	7. Ratio and Regression estimation: Calculate the population mean or total of the population. Calculate mean squares. Compare the efficiencies of ratio and regression estimators relative to SRS. Paper STSHGECO3P: 3. Tests of hypotheses for the parameters of a normal distribution (one sample and two sample problems).	Ratio and Regression methods of estimation in simple random sampling Paper STSHGEC03T: Tests of hypotheses for the parameters of a normal distribution (one sample and two sample problems). Paper STSADSE01T: Log linear model of independence for twoway table, Interpretation of the parameters in independence model, saturated model for two way table. The log-linear-logistic connection.
Week13	3 to week 14	Internal Exam
Week 15	Paper STSACOR07P:	Paper STSACOR07T:
to 17	8. Cluster sampling: estimation of mean or total, variance of the estimate, estimate of intra-class correlation coefficient, efficiency as compared to SRS. 9. Two stage sampling. Paper STSHGEC03P: 4. Chi-square test of proportions. 5. Chi-square tests of association. 6. Chi-square test of goodness-of-fit.	Hartley-Ross estimator. Cluster sampling (equal-size clusters only) estimation of population mean and its variance, Concept of sub sampling. Two-stage sampling, Estimation of Population mean and variance of the estimate, comparison between two-stage, cluster and uni-stage sampling. Paper STSHGEC03T: Categorical data: Tests of proportions, tests of association and goodness-of-fit using Chi square test, Yates' correction.

Teaching Plan for Even Semester, UG course

Department of Statistics

Session 2020-21

Class:B.A/ B.Sc Semester 2,4,6

Name of the Teacher: Arup Kumar Hait

Subject: STATISTICS

Paper: STSACOR04,STSACOR13&STSHGEC04 (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
20110	(Paper code to be mentioned)	mentioned)
Week 1	STSACOR13	STSACOR04T
to week 4	Layout of Design	Row reduction and echelon forms. Partitioning of matrices and simple properties. Rank of a matrix,row-rank, column-rank, standard theorems on ranks, rank of the sum and the product of
	STSHGEC04	two matrices.
	Measurement of trend: Fitting of linear & quadratic trend and plotting of trend values and comparing with given data graphically.	STSACOR13 Experimental designs, Role, historical perspective. Terminologies: Experimental error, Basic principles, Uniformity trials, Fertility contour maps, Choice of size and shape of plots and blocks. STSHGEC04 Economic Time Series: Components of time series, Decomposition of time series- Additive and multiplicative model with their merits and demerits, Illustrations of time series. Measurement of trend by method of free-hand curve, method of semi-averages. Method of least squares (linear & quadratic).
Week 5 to	STSACOR13	STSACOR04T
week 8	Analysis of CRDAnalysis of an RBDAnalysis of an LSD	Matrix equations Ax=b, solution sets of linear equations. Applications of linear equations, inverse of a matrix.
	 Analysis of an RBD with one missing observation Analysis of an LSD with one missing observation 	STSACOR13 Completely Randomized Design (CRD), Randomized Block Design (RBD), Latin Square Design (LSD) – Layout, Model and Analysis, Relative Efficiencies, Analysis with one missing
	STSHGEC04	observation.
	 Measurement of trend: Fitting of exponential, modified exponential curve and plotting of trend values 	STSHGEC04

<u>, </u>	
 and comparing with given data graphically. Measurement of seasonal indices by Ratio-to-trend method and plotting of trend values and comparing with given data graphically. 	Measurement of exponential trend and modified exponential trend. Measurement of seasonal variations by method of ratio to trend.
	STSACOR04T
 Intra Block analysis of a BIBD Analysis of 22 and 23 factorial in CRD and RBD Analysis of 2² and 2³ factorial in LSD STSHGEC04 Construction of price and quantity index numbers by Laspeyre's formula, Paasche's formula, Marshall-Edgeworth's formula, Fisher's Formula. Comparison and interpretation. 	Characteristic roots and Characteristic vector, Properties of characteristic roots, Cayley Hamilton theorem, Quadratic forms: Classification and canonical reduction. Linear transformations. STSACOR13 Balanced Incomplete Block Design (BIBD) – parameters, relationships among its parameters, incidence matrix and its properties. Advantages, Notations and Concepts of 2 ⁿ factorial experiments. 2 ⁿ factorial experiments -their design and analysis. STSHGEC04 Index numbers: Definition, Criteria for a good index number, different types of index numbers.
3 to week 14	Internal Exam
STSACOR13	STSACOR04T
 Analysis of a completely confounded two level factorial design in 2 block Analysis of a completely confounded two level factorial design in 4 blocks Analysis of a partially confounded two level factorial design Analysis of a single replicate of a 2n design Analysis of a fraction of 2n factorial design STSHGEC04 Construction of wholesale 	Applications of Linear Algebra in Statistics. $ \textbf{STSACOR13} \\ \text{Total and Partial confounding for } 2^n \text{ factorial experiments.} (N < 6) \\ \textbf{STSHGEC04} \\ \text{Construction of index numbers of prices and quantities, consumer price index number.} \\ \text{Uses and limitations of index numbers.} $
	• Measurement of seasonal indices by Ratio-to-trend method and plotting of trend values and comparing with given data graphically. STSACOR13 • Intra Block analysis of a BIBD • Analysis of 22 and 23 factorial in CRD and RBD • Analysis of 2 ² and 2 ³ factorial in LSD STSHGEC04 • Construction of price and quantity index numbers by Laspeyre's formula, Paasche's formula, Marshall-Edgeworth's formula, Fisher's Formula. Comparison and interpretation. Sto week 14 STSACOR13 • Analysis of a completely confounded two level factorial design in 2 block • Analysis of a completely confounded two level factorial design in 4 blocks • Analysis of a partially confounded two level factorial design in 4 blocks • Analysis of a partially confounded two level factorial design • Analysis of a single replicate of a 2n design • Analysis of a fraction of 2n factorial design • Analysis of a fraction of 2n factorial design

consumer price index
number with interpretation

Class: B.Sc. (Honours)
Semesters: 2, 4, 6 (CBCS)

Name of the Teacher: Kiranmoy Chatterjee

Subject: Statistics

Paper: STSACOR04T, STSACOR09T, STSACOR09P, STSADSE04T, STSADSE04P, STSHGEC04T,

STSHGEC04P (CBCS)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper STSACOR09P(CBCS): 1. Estimability in Gauss Markov Model. 2. Simple linear regression. 3. Multiple regression.	Paper STSACOR04T(CBCS): Row reduction and echelon forms. Partitioning of matrices and simple properties. Rank of a matrix, row-rank, column-rank, standard theorems on ranks, rank of the sum and the product of two matrices.
	Paper STSADSE04P(CBCS): 6. Computation of Mortality rate. 7. Preparation of Life Table.	Paper STSACOR09T(CBCS): Unit 1: Multivariate Data Unit 2: Gauss-Markov set-up Theory of linear estimation, Estimability of linear parametric functions, Method of least squares, Gauss-Markov theorem, Estimation space and Error Space
		Paper STSHGEC04T(CBCS): Unit 1: Introduction Unit 2: Measurements of Mortality
		Paper STSHGEC04T(CBCS): Unit 4: Demography Demographic Methods: Introduction, measurement of population, rates and ratios of vital events
Week 5 to week 8	Paper STSACOR09P(CBCS): 4.Tests for linear hypothesis. 5. Analysis of variance of one way classified data. 6. Analysis of variance of a two way	Paper STSACOR04T(CBCS): Matrix equations Ax=b, solution sets of linear equations. Applications of linear equations, inverse of a matrix. Characteristic roots and Characteristic vector.
	classified data with one observation per cell. Paper STSADSE04P(CBCS):	Paper STSACOR09T(CBCS): Unit 2: Gauss-Markov set-up Estimation of error variance. Tests of General Linear Hypotheses (statements only). Classification of Linear Models.

1. Computation of Crude Birth Rate. 2. Computation of different Fertility Rate. Unit 3: Regression analysis Hypothesis testing in case of simple and multiple regressi models.	
2. Computation of different Fertility models.	
Rate.	n
3. Computation of Reproduction Paper STSHGEC04T(CBCS):	
Rate. Unit 3: Measurements of Fertility	
4. Computation of Vital index.	
Paper STSHGEC04P(CBCS): Paper STSHGEC04P(CBCS): Unit 4: Damography	
7. Computation of measures of Unit 4: Demography Life (mortality) tables: definition of its main functions and unit in the control of the co	
Life (mortanty) tables, definition of its main functions and u	
mortality Measurement of fertility and reproduction: CBR, GFR, and	FR.
8. Completion of life table. Measurement of population growth: GRR, NRR.	
9. Computation of measures of	
fertility and population growth	
Week 9 to Paper STSACOR09P(CBCS): Paper STSACOR04T(CBCS):	
Week 12 7. Analysis of variance of two way Properties of characteristic roots, Cayley Hamilton theorem,	
classified data with equal number of Quadratic forms: Classification and canonical reduction.	
observations per cell.	
8. Analysis of covariance of a one way Paper STSACOR09T(CBCS):	
classified data with one concomitant Unit 4: Analysis of variance and covariance	
on 4. That yet of variance and covariance	
Analysis of Variance in one-way and two-way classified dat	
Paper STSADSE04P(CBCS): (with equal number of observations per cell) for fixed effect	iS
5. Fitting of population curve for well as random effect models.	
population forecasting	
<u>rapel 313AD3E041(CBC3).</u>	
Danor STSHGECOAD(CDCS): Unit 4: Estimation	
Paper STSHGEC04P(CBCS): 5. Construction and interpretation of	
5. Construction and interpretation of Y have the Paper STSHGEC04T(CBCS):	
A Dar & R-Charl. Unit 2. Statistical Quality Control	
o. Construction and interpretation p-	in
chart (fixed sample size) and c-chart industrial research and practice. Determination of tolerance industrial research and practice.	
Causes of variations in quality: chance and assignable. Gene	
theory of control charts, process & product control, Control	
for variables: X- bar and R-charts. Control charts for attribut	
	s. p
and c-charts.	
Week 13-14: Internal Exam (for CBCS)	
W. 1.15 Paras CTCA COROOD/CDCC).	
I WEEK IN I PANER SINALUKUSPIL KINI. I PANER SINALUKUATIL KINI.	
Week 15 Paper STSACOR09P(CBCS): 9 Analysis of covariance of a two way Linear transformations. Applications of Linear Algebra in	
to 17 9. Analysis of covariance of a two way Linear transformations. Applications of Linear Algebra in	
to 17 9. Analysis of covariance of a two way classified data with one concomitant variable. Linear transformations. Applications of Linear Algebra in Statistics. Revision of all the topics.	
9. Analysis of covariance of a two way classified data with one concomitant variable. Linear transformations. Applications of Linear Algebra in Statistics. Revision of all the topics. Paper STSACOR09T(CBCS):	
9. Analysis of covariance of a two way classified data with one concomitant variable. Linear transformations. Applications of Linear Algebra in Statistics. Revision of all the topics. Paper STSACOR09T(CBCS): Unit 4: Analysis of variance and covariance	
9. Analysis of covariance of a two way classified data with one concomitant variable. Linear transformations. Applications of Linear Algebra in Statistics. Revision of all the topics. Paper STSACOR09T(CBCS):	ata

Class:B.Sc

Semester 2, 4 and 6 Name of the Teacher: Suryasish Chatterjee

Subject: Statistics

Paper: STSACOR04T, STSACOR08T, STSACOR08P, STSACOR14T, STSACOR14P,

STSSSEC02M

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper STSACOR08P: 1. Unbiased estimators (including unbiased but absurd estimators) 2. Cramer-Rao inequality and MVB estimators 3. Sufficient Estimators — Factorization Theorem, Rao-Blackwell theorem, Complete Sufficient estimators 4. Lehman-Scheffe theorem and UMVUE Paper STSACOR14P: 1. Test for randomness based on	Paper STSACOR04T: Sequence of real numbers and their convergence, limits of sequences, Cauchy's general principle of convergence, Cauchy's first theorem on limits, monotonic sequences, limit superior and limit inferior of a bounded sequence. Infinite series, positive-termed series and their convergence. Comparison tests, D'Alembert's ratio test and Cauchy's nth root test, (Statements and examples only). Absolute convergence of series, Leibnitz's test for the convergence of alternating series, Conditional convergence. Paper STSACOR08T:
	total number of runs, 2.Kolmogrov Smirnov test for one sample. 3. Sign test: one sample, two samples, large samples. 4. Wilcoxon-Mann-Whitney U-test 5. Kruskal-Wallis test	Concepts of estimation, unbiasedness, mean square error, sufficiency, completeness and exponential family of distributions. Factorization theorem. Minimum variance unbiased estimator (MVUE), Rao Blackwell and Lehmann-Scheffe theorems and their applications. Cramer-Rao inequality (statement and applications) and MVB estimators.
	Paper STSSSECO2M: Learn how to load data, plot a graph viz. histograms (equal class intervals and unequal class intervals), box plot, stem-leaf, frequency polygon, pie chart, ogives with graphical summaries of data.	Paper STSACOR14T: Nonparametric Tests, Introduction and Concept
Week 5 to week 8	Paper STSACOR08P: 5. Maximum Likelihood Estimation 6. Estimation by the method of moments, minimum Chi-square 7. Most powerful critical region (NP Lemma) 8. Uniformly most powerful critical region Paper STSACOR14P:	Paper STSACOR04T: Vector spaces, subspaces, sum of subspaces, Span. Linear dependence and independence, basis and dimension, dimension theorem. Orthogonal vectors, Gram-Schmidt orthogonalization, ortho complement space. Null space and nullity Paper STSACOR08T:

3. Sign test: one sample, two samples, large samples.

4. Wilcoxon-Mann-Whitney U-test

Paper STSSSECO2M:

Generate automated reports giving detailed descriptive statistics, correlation and lines of regression.

Method of moments, method of maximum likelihood estimation, method of minimum Chi square, basic idea of Bayes estimators

Paper STSACOR14T:

Test for randomness based on total number of runs, Empirical distribution function,

Week 9 to Week 12

Paper STSACOR08P:

- 9. Unbiased critical region.
- 10. Power curves.
- 11. Likelihood ratio tests for simple null hypothesis against simple alternative hypothesis.
- 12. Likelihood ratio tests for simple null hypothesis against composite alternative hypothesis

Paper STSACOR14P:

5. Kruskal-Wallis test

Paper STSSSECO2M:

Random number generation and sampling procedures. Fitting of polynomials and exponential curves. Application Problems based on fitting of suitable distribution, Normal probability plot.

Paper STSACOR04T:

A review, theorems related to triangular, symmetric and skew symmetric matrices, idempotent

matrices, orthogonal matrices, singular and non-singular matrices and their properties. Trace of a

matrix. Row space and column space of a matrix.

Definition, properties and applications of determinants for 3rd and higher orders, evaluation of

determinants of order 3 and more using transformations.

Symmetric and Skew symmetric

determinants, Circulant determinants and Vandermonde determinants for nth order, Jacobi's

Theorem. Product of determinants. Adjoint and inverse of a matrix and related properties. Use of determinants in solution to the system of linear equations

Paper STSACOR08T:

Most powerful test, uniformly most powerful test, Neyman Pearson Lemma (statement and applications to construct most powerful test). Likelihood ratio test, properties of likelihood ratio tests (without proof).

Paper STSACOR14T:

Kolmogrov Smirnov test for one sample, Sign tests- one sample and two samples

Week 13 to week 14

Internal Exam

Week 15 to 17

Paper STSACOR08P:

- 13. Asymptotic properties of LR tests
- 14. SPRT procedure
- 15. OC function and OC curve
- 16. ASN function and ASN curve

Paper STSSSECO2M:

Paper STSACOR04T:

Statement of the fundamental theorem of algebra and its consequences. Relation between roots and coefficients of any polynomial equations. Solutions of cubic and biquadratic equations when some conditions on roots of equations are given.

Paper STSACOR08T:

Simple analysis and create and manage statistical analysis projects import data, code editing. Basics of statistical inference to understand hypothesis testing and compute p-values and confidence intervals.	Sequential probability ratio test (SPRT) for simple vs simple hypotheses. Fundamental relations among α , β , A and B, determination of A and B in practice. Wald's fundamental identity and the derivation of operating characteristics (OC) and average sample number (ASN) functions. Examples based on Normal, Poisson, Binomial and Exponential distributions
	Paper STSACOR14T: Wilcoxon-Mann-Whitney test, Kruskal-Wallis test

Class:B.Sc

Semester 2, 4 and 6 Name of the Teacher: Soumyadeep Das

Subject: Statistics

Paper: STSACOR03T,STSACOR03P, STSACOR10T,STSACOR10P, STSADSE05T,

STSADSE05P

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	Paper STSACOR03P:	Paper STSACOR03T:
to week 4	Numerical sums using classical definition of Probability. Paper STSADSE05P:	Introduction, random experiments, sample space, events and algebra of events. Sigma algebra of events. Definitions of Probability – classical, statistical and axiomatic.
	1.Practical problems on the uses	Paper STSACOR10T:
	of different interpolation formulae.	Definition, dimensions of quality, historical perspective of quality control and improvements starting from World War II, historical perspective of Quality Gurus and Quality Hall of Fame. Quality system and standards: Introduction to ISO quality standards, Quality registration. Statistical Process Control - Seven tools of SPC, chance and assignable Causes of quality variation. Statistical Control Charts- Construction and Statistical basis of 3-σ Control charts, Rational Sub-grouping. Paper STSADSE05T: Finite differences and interpolation. Difference and shift Operators. Newton's forward and backward interpolation formulae. Lagrange's interpolation formulae.
Week 5 to	Paper STSACOR03P:	Paper STSACOR03T:
week 8	2. Numerical sums on conditional probability. Paper STSACOR10P: 1. Construction and Interpretation of statistical control charts X-bar & R chart X-bar & s-chart np- chart p-chart c-chart u- chart	Theorem of compound probability, theorem of total probability, Conditional probability and independence of event. Bayes theorem and its applications. Paper STSACOR10T: X-bar & R-chart, X-bar & s-chart. Control charts for attributes: np-chart, p-chart, c-chart and u-chart. Comparison between control

	Paper STSADSE05P: 2. Computation of numerical integration. 3. Solution of transcendental equations.	charts for variables and control charts for attributes. Analysis of patterns on control chart. Estimation of process capability. Paper STSADSE05T: Numerical Integration, Gauss quadrature, Trapezoidal rule, Simpson's one-third rule with error terms. Stirling's approximation to factorial n. Solution of equations in a single variable- Bisection, Iteration and Newton Raphson method.
Week 9 to Week 12	Paper STSACOR03P: 3. Fitting of binomial distribution for given n and p. 4. Fitting of binomial distribution after computing mean and variance. 5. Fitting of Poisson distribution for given value of lambda. 6. Fitting of Poisson distribution after computing mean. 7. Fitting of negative binomial. 8. Fitting of suitable distribution. 9. Application problem based on binomial distribution 10. Application problem based on Poisson distribution. 11. Application problem based on negative binomial distribution. Paper STSACOR10P: 2. Single sample inspection plan: Construction and interpretation of OC, AQL, LTPD, ASN, ATI, AOQ, AOQL curves. Paper STSADSE05P: 4. Computation of Simulation problems.	Paper STSACOR03T: Discrete random variables, p.m.f. and c.d.f., statement of properties of c.d.f., illustrations. Derivation of moments (discrete situation). Standard discrete probability distributions: binomial, Poisson, geometric, negative binomial, hypergeometric, uniform. Paper STSACOR10T: Principle of acceptance sampling plans. Single and Double sampling plan their OC, AQL, LTPD, AOQ, AOQL, ASN, ATI functions with graphical interpretation, use and interpretation of Dodge and Romig's sampling inspection plan tables. Paper STSADSE05T: Using the computer for random number generation (treated as a black box). A brief look at some popular approaches (no mathematical justification needed). Simulating a coin toss, a die roll and a card shuffle. CDF inversion method. Simulation from standard distributions. Finding probabilities and moments using simulation.
Week 13	Paper STSACOR10P: 3. Calculation of process capability and comparison of 3-sigma control limits with specification limits. Paper STSADSE05P: 5. Computation of Monte Carlo integration.	Paper STSACOR03T: p.d.f. and c.d.f., illustrations and properties, Paper STSACOR10T: Overview of Six Sigma, Lean Manufacturing and Total Quality Management (TQM). Organizational Structure and Six Sigma training plans- Selection Criteria for Six-Sigma roles and training plans. Voice of customers (VOC): Importance and VOC data collection. Critical to Quality (CTQ). Introduction to DMAIC using one case study: Define Phase, Measure Phase, Analyse Phase, Improve Phase and Control Phase. Paper STSADSE05T: Monte Carlo integration. Basic idea of importance sampling. (MCMC not included). Generating from Binomial and Poisson distributions, and comparing the histograms to the PMFs.
	3 to week 14	Internal Exam
Week 15 to 17	Paper STSACOR10P:	Paper STSACOR03T: univariate transformations with illustrations. Derivation of moments. Probability Inequalities: Markov and Chebyshev.

4. Use a case study to apply the concept of six sigma application in DMAIC: practical application. **Paper STSADSE05P:**

6.Graphical understanding of the laws of large numbers.

Paper STSADSE05T:

Generating from Uniform (0, 1) distribution, and applying inverse CDF transforms. Simulating Gaussian distribution using Box-Muller method. Approximating the expectation of a given function of a random variable using simulation. Graphical demonstration of the Law of Large Numbers. Approximating the value of pi by simulating dart throwing.

Teaching Plan for Odd Semester, UG and PG Courses Department of Chemistry

Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Dr. Nikhil Ranjan Pramanik

Subject: Chemistry

Paper: CEMACOR02T&P (UG SEM-I), CEMACOR05T&P (UG SEM-III), CEMADSE01T&P (UG SEM-V),

CHEMCOR03 &04(PG SEM-I) and CHEMCOR13&14 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical
o week 4	-I Lab: Discussion of principles of	Thermodynamics: Introduction, Zeroth law and First law.
	Physical experiments and Exp-1.	
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II: Application of
	-II Lab: Discussion of principles of	thermodynamics-I:Partial molar properties and chemical
	Physical experiments and Exp-1 and 2	potential.
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Statistical
	Chemistry Lab: Introduction to	thermodynamics: Introduction, Configurations.
	Fortran: Structure of Fortran program,	
	Programming and running in Laptop/	
	mobile	
	CHENCODAL DI LI GI	CHEMICODES DI LI II I I I I I I I I I I I I I I I
	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I:
	Practical –I: Discussion of principles	Collision theory and activated complex theory.
	of Physical experiments and Exp-1 and 2	
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Nanomaterials:
	Practical (Practical 5): Discussion of	Definition, classification and properties.
	principles of Physical experiments and	F-F
	Exp-1 and 2	
Week 5	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical
to week 8	-I Lab: Physical experiments, Exp-2	Thermodynamics: Thermochemistry
	and 3	
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II: Application of
	-II Lab: Physical experiments, Exp-	thermodynamics-I: Chemical potential and other properties o
	3 and 4	ideal substances: Pure and mixture.
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Statistical
	Chemistry Lab: Inputs and outputs	thermodynamics: Boltzmann distribution.
	statements, Programming and running	
	in Laptop/ mobile	
	CHEMCOR04 Physical Chemistry	CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I:
	Practical –I:: Physical experiments,	Reactions between ions in solution: Influence of dielectric
	Exp-3 and 4	constant, ionic strength and pressure on rate constant.
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Nanomaterials:
	Practical (Practical 5): Physical	Relevance to dependency on size and shape.
	experiments Exp-3, 4 and 5	1
Week 9	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical
to Week	–I Lab: Physical experiments, Exp-4	Thermodynamics: Second Law
12	and 5	
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II: Application of
	-II Lab: Physical experiments, Exp-5	thermodynamics-I: Chemical equilibrium.
	and 6	
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Statistical
	Chemistry Lab: Control statements,	thermodynamics: Partition function and its applications.
	Programming and running in Laptop/	
	mobile	

	T	T
	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I:
	Practical –I: Physical experiments,	Unimolecular reactions: Lindemann- Hinshelwood and RRK
	Exp-5and 6	mechanism.
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Nanomaterials:
	Practical (Practical 5): Physical	Synthetic methodologies – both physical and chemical methods.
W 1 12	experiments Exp-6, 7 and 8	CEMA CODATE DI L' 1 CI L' 1 CI L' 1
Week 13	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical
	–I Lab: Revision of physical Experiments	Thermodynamics: Thermo dynamic relations.
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II: Transport processes:
	-II Lab: Revision of Physical	Viscosity
	Experiments	
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Special
	Chemistry Lab: Do Loops,	Selected Topics: Third law of thermodynamics.
	Programming and running in Laptop/mobile	
	litotic	
	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I:
	Practical –I: Revision of Physical	Chain reactions and its mechanism.
	experiments.	
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Carbon nanotubes,
	Practical (Practical 5): Physical	fullerene ,graphene
	avmanimants Evm 0 and 10	
	experiments Exp-9 and 10	
Week13 to		 Exam
) week 14 Internal	
Week 15	o week 14 Internal CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical
	week 14 Internal CEMACOR02P: Physical Chemistry –I Lab: Tutorial on principles and	
Week 15	CEMACOR02P: Physical Chemistry –I Lab: Tutorial on principles and experiments of physical chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical
Week 15	CEMACOR02P: Physical Chemistry –I Lab: Tutorial on principles and experiments of physical chemistry experiments	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process.
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on
Week 15	CEMACOR02P: Physical Chemistry –I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry –II Lab: Tutorial on principles and	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process.
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry experiments of physical chemistry experiments	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity.
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry experiments of physical chemistry experiments CEMADSE01P: Advanced Physical	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special
Week 15	CEMACOR02P: Physical Chemistry —I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry —II Lab: Tutorial on principles and experiments of physical chemistry experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry experiments of physical chemistry experiments CEMADSE01P: Advanced Physical	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special
Week 15	CEMACOR02P: Physical Chemistry —I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry —II Lab: Tutorial on principles and experiments of physical chemistry —II Lab: Tutorial on principles and experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry EMACOR05P: Advanced Physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics.
Week 15	CEMACOR02P: Physical Chemistry —I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry —II Lab: Tutorial on principles and experiments of physical chemistry experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I:
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry EMACOR05P: Advanced Physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I: Oscillatory reactions: Observation and mechanism.
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry II Lab: Tutorial on principles and experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I: Oscillatory reactions: Observation and mechanism.
Week 15	CEMACOR02P: Physical Chemistry —I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry —II Lab: Tutorial on principles and experiments of physical chemistry —II Lab: Tutorial on principles and experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry Practical (Practical 5): Tutorial on	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I: Oscillatory reactions: Observation and mechanism. Autocatalytic reactions.
Week 15	CEMACOR02P: Physical Chemistry —I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry —II Lab: Tutorial on principles and experiments of physical chemistry —II Lab: Tutorial on principles and experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry Practical (Practical 5): Tutorial on	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I: Oscillatory reactions: Observation and mechanism. Autocatalytic reactions. CHEMCOR13: Physical chemistry -3: Applications of
Week 15	CEMACOR02P: Physical Chemistry I Lab: Tutorial on principles and experiments of physical chemistry experiments CEMACOR05P: Physical Chemistry II Lab: Tutorial on principles and experiments of physical chemistry II Lab: Tutorial on principles and experiments of physical chemistry experiments CEMADSE01P: Advanced Physical Chemistry Lab: Programming and running on several problems in Laptop/ mobile CHEMCOR04: Physical Chemistry Practical—I: Tutorial on principles and experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry	CEMACOR02T: Physical Chemistry I: Chemical Chemical Kinetics: Theory of rate process. CEMACOR05T: Physical Chemistry –II: Tutorial on application of thermodynamics-I and viscosity. CEMADSE01T: Advanced Physical Chemistry: Special Selected Topics: Tutorial on statistical thermodynamics and third law of thermodynamics. CHEMCOR03: Physical chemistry 1: Chemical Kinetics –I: Oscillatory reactions: Observation and mechanism. Autocatalytic reactions. CHEMCOR13: Physical chemistry -3: Applications of

Teaching Plan for Odd Semester, UG and PG Courses

Department of Chemistry Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Dr. Sanat Kumar Saha

Subject: Chemistry

Paper: CEMACOR02T&P (UG SEM-I), CEMACOR05T&P (UG SEM-III), CEMADSE01T&P (UG SEM-V),

CHEMCOR03 &04(PG SEM-I) and CHEMCOR13&14 (PG SEM-III)

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	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Electrochemistry I: Part
	Practical –I: Physical experiments,	1:Ion-ion interaction: Debye Huckel theory of activity
	Exp-5and 6	coefficient.
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Electrochemistry II:
	Practical (Practical 5): Physical	Structure of electrified interfaces: Helmholtz -Perrin model and
	experiments Exp-6, 7 and 8	Gouy-Chapman model.
Week 13	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry –I: Chemical Kinetics:
	–I Lab: Revision of physical Experiments	Rate law, theory of reaction rate
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II:Transport processes:
	–II Lab: Revision of Physical Experiments	Conductance and transport number
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Special topics
	Chemistry Lab: Do Loops,	Polymers
	Programming and running in Laptop/mobile	
	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Electrochemistry I: Part
	Practical –I:Revision of Physical experiments.	2:Electrode kinetics: Butler Volmer equation, Overpotential
	CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Electrochemistry II:
	Practical (Practical 5): Physical	Structure of electrified interfaces: Stern model and Contact
	experiments Exp-9 and 10	adsorption model (First part)
Week13 to	o week 14 Interna	l Exam
Week 15	CEMACOR02P: Physical Chemistry	CEMACOR02T: Physical Chemistry –I: Chemical Kinetics:
to 17	-I Lab: Tutorial on principles and	homogeneous catalysis and autocatalysis
	experiments of physical chemistry	
	experiments	
	CEMACOR05P: Physical Chemistry	CEMACOR05T: Physical Chemistry –II: Tutorial on Quantum
	-II Lab: Tutorial on principles and	Mechanics and conductance
	experiments of physical chemistry	
	experiments	
	CEMADSE01P: Advanced Physical	CEMADSE01T: Advanced Physical Chemistry: Tutorial on
	Chemistry Lab: Programming and	crystallography, Specific heat and Polymer
	running on several problems in	
	Laptop/ mobile	
	CHEMCOR04: Physical Chemistry	CHEMCOR03: Physical chemistry 1: Electrochemistry I: Part
		2:Electrode kinetics: Overpotential
	Practical Littorial on principles and	
	Practical –I: Tutorial on principles and	2.Electrode kiliciles. Overpotential
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	experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Electrochemistry II:
	experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry Practical (Practical 5): Tutorial on	CHEMCOR13: Physical chemistry -3: Electrochemistry II: Structure of electrified interfaces: Contact adsoption model
	experiments of physical chemistry experiments CHEMCOR14: Physical Chemistry	CHEMCOR13: Physical chemistry -3: Electrochemistry II:

Week 18

Class test

Problem solving

Teaching Plan for Odd Semester, UG & PG course Department of Chemistry

Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Anisur Rahaman Molla

Subject: Chemistry

Paper: CEMACOR01 (UG SEM-I), CEMACOR07 (UG SEM-III), CEMHGEC03 (UG SEM-III GE),

CEMACOR12 (UG SEM-V), CHEMCOR02&CHEMCOR05 (PG SEM-I) and CHEMCOR12 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR07: Qualitative analysis of	CEMACOR01: Basics of organic chemistry – MO theory
to week 4	single solid organic compounds (known	CEMHGEC03: Alcohols
	samples)	CEMACOR12: Structure of monosaccharides
	CHEMGEC03: Identification of pure	CHEMCOR02: Reaction mechanism: Types, thermodynamic
	organic compound (known solid)	& kinetic requirements, Hammond postulate, microscopic
	CHEMCOR05: Systematic qualitative	reversibility
	analysis of a liquid organic compound	CHEMCOR12: Basic principles of photochemistry
	(known samples)	
Week 5	CEMACOR07: Qualitative analysis of	CEMACOR01: Basics of organic chemistry– FMO
to week 8	single solid organic compounds (2	interactions
	unknown samples)	CEMHGEC03: Phenols and ethers
	CHEMGEC03: Identification of pure	CEMACOR12: Reactions of monosaccharides
	organic compound (unknown solid)	CHEMCOR02: Methods of determination of reaction
	CHEMCOR05: Systematic qualitative	mechanism: Study of intermediates
	analysis of a liquid organic compound (2	CHEMCOR12: Cis-trans isomerism, di-pi methane
	unknown samples)	rearrangement
Week 9	CEMACOR07: Qualitative analysis of	CEMACOR01: Aromaticity
to Week	single solid organic compounds (2	CEMHGEC03: Aldehyde and ketone (preparation and
12	unknown samples)	reactivity)
	CHEMGEC03: Identification of pure	CEMACOR12: Ring structure of monosaccharides
	organic compound (known liquid)	CHEMCOR02: Methods of determination of reaction
	CHEMCOR05: Systematic qualitative	mechanism: Identification of products, Isotope labeling,
	analysis of a liquid organic compound (2	isotope effects.
	unknown samples)	CHEMCOR12: Norish type-I and type-II reaction
Week 13	CEMACOR07: Qualitative analysis of	CEMACOR01: Mechanistic classification
	single solid organic compounds (1	CEMHGEC03:Reactions of aldehydes & ketones-1
	unknown samples)	CEMACOR12: Fischer's proof of configuration of (+)-
	CHEMGEC03: Identification of pure	glucose
	organic compound (unknown liquid)	CHEMCOR02: Methods of determination of reaction
	CHEMCOR05: Systematic qualitative	mechanism: catalysis.
	analysis of a liquid organic compound (1	CHEMCOR12: Patterno-Buchi reaction
	unknown samples)	
Week13 to	week 14 Internal E	Cxam
Week 15	CEMACOR07: Qualitative analysis of	CEMACOR01: Reactive intermediates
to 17	single solid organic compounds (1	CEMHGEC03: Reactions of aldehydes & ketones-2
	unknown samples)	CEMACOR12: Disaccharides and polysaccharides
	CHEMGEC03:Identification of pure	CHEMCOR02: Methods of determination of reaction
	organic compound (unknown liquid)	mechanism: stereochemical course of the reaction.
	CHEMCOR05: Systematic qualitative	CHEMCOR12: Photo reduction of ketones
	analysis of a liquid organic compound (2	
	unknown samples)	
Week 18	Class test	Problem solving

Teaching Plan for Odd Semester, UG & PG course Department of Chemistry

Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Tirtha Pada Majhi

Subject: Chemistry

Paper: CEMACOR01 (UG SEM-I), CEMACOR07 (UG SEM-III), CEMHGEC03 (UG SEM-III GE),

CEMACOR12 (UG SEM-V), CHEMCOR02 (PG SEM-I) and CHEMCOR12 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR07: Qualitative analysis	CEMACOR01: Basics of organic chemistry – Valence Bond
to week 4	of single solid organic compounds	theory and orbital pictures of bonding
to week 1	(known samples)	CEMACOR07: Acidity of α -H of C=O, kinetic and
	CHEMGEC03: Identification of pure	thermodynamic enolates, halogenation of carbonyl compds.
	organic compound (known solid)	CEMHGEC03:Benzene-preparations
	CHEMCOR02: Systematic	CEMACOR12: Amino acids: types and properties
	qualitative analysis of a liquid organic	CHEMCOR02: Reaction intermediate, thermodynamic and
	compound (known samples)	kinetic aspects
	(CHEMCOR12: Radicals-generation, shape and stability
Week 5	CEMACOR07: Qualitative analysis	CEMACOR01: Basics principles of organic chemistry—
to week 8	of single solid organic compounds (2	electronic displacement, inductive effect, resonance,
	unknown samples)	hyperconjugation and steric effects
	CHEMGEC03: Identification of pure	CEMACOR07: Condensation reaction of carbonyl compds
	organic compound (unknown solid)	CEMHGEC03: Electrophilic substitution in benzene
	CHEMCOR02: Systematic	CEMACOR12: Synthesis of α - amino acids
	qualitative analysis of a liquid organic	CHEMCOR02: Methods of determining reaction mechanism
	compound (2 unknown samples)	CHEMCOR12: Radical reactions
Week 9	CEMACOR07: Qualitative analysis	CEMACOR01: Physical properties of organic molecules- bond
to Week	of single solid organic compounds (2	energy, bond distance, bond angle, bond angle strain.
12	unknown samples)	CEMACOR07: Preparation and synthetic applications of
	CHEMGEC03: Identification of pure	diethyl malonate and ethyl acetoacetate
	organic compound (known liquid)	CEMHGEC03: Grignard reagent-preparation and reaction
	CHEMCOR02: Systematic	CEMACOR12: Reactions of amino acids
	qualitative analysis of a liquid organic	CHEMCOR02: Correlation of structure and reactivity
	compound (2 unknown samples)	CHEMCOR12: C – X bond, C – C bond forming reactions.
Week 13	CEMACOR07: Qualitative analysis	CEMACOR01: Covalent & non-covalent intermolecular forces
	of single solid organic compounds (1	CEMACOR07: H.V.Z. reaction and Riley oxidation
	unknown samples)	CEMHGEC03: Side chain oxidation of aromatic system
	CHEMGEC03: Identification of pure	CEMACOR12:Peptide syntheses
	organic compound (unknown liquid)	CHEMCOR02: Nonlinear Hammett plots
	CHEMCOR02: Systematic	CHEMCOR12: C–C bond cleaving reactions via radical
	qualitative analysis of a liquid organic	reactions
W1-124	compound (1 unknown samples)	I F
Week 13 to	o week 14 Interna	I Exam
Week 15	CEMACOR07: Qualitative analysis	CEMACOR01:Dipole moments; relative stabilities of isomeric
to 17	of single solid organic compounds (1	hydrocarbons
	unknown samples)	CEMACOR07: Organometallic compounds.
	CHEMGEC03: Identification of pure	CEMHGEC03: Aryl halides-preparation and reaction
	organic compound (unknown liquid)	CEMACOR12: Determination of amino acid sequence and
	CHEMCOR02: Systematic	structure of protein
	qualitative analysis of a liquid organic	CHEMCOR02: Discussion on question pattern
	compound (2 unknown samples)	CHEMCOR12: Radical rearrangements
Week 18	Class test	Problem solving

BIDHANNAGARCOLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Plan for Odd Semester, UG & PG course Department of Chemistry Session (2020-2021)

Class: B.Sc Semester 1,3,5

Name of the Teacher: Dr. Shubhankar Samanta

Subject:

Paper: CEMACOR01P, CEMHGEC01P, CEMACOR12P, CEMACOR07T, CEMACOR12T, PG Core -02, PG Core -12

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Paper CEMACOR01P: Identification of a Pure Organic Compound Solid compounds: oxalic acid, tartaric acid Paper CEMHGEC01P: Qualitative Analysis of Single Solid Organic Compound(s) Experiment A: Detection of special elements (N, Cl, and S) in organic compounds. Paper CEMACOR12P: Chromatographic Separations 1. TLC separation of a mixture containing 2/3 amino acids	Paper CEMACOR07T: Substitution on -COX; directed ortho metalation of arenes using organolithiums, conjugate addition by Gilman cuprates; Corey-House synthesis. Paper CEMACOR12T: Bogert-Cook and other useful syntheses (with mechanistic details) PG Core -02: Organic Chemistry – 1: 1H NMR Spectroscopy: spin-spin coupling – notation for spin systems. Core -12: Organic Chemistry – 3: Reduction with metal-hydrides of B, Al, Sn, Si.
Week 5 to week 8	Paper CEMACOR01P: Identification of a Pure Organic Compound Solid compounds: citric acid, succinic acid, resorcinol Paper CEMHGEC01P: Qualitative Analysis of Single Solid Organic Compound(s) Experiment A: Solubility and Classification (solvents: H2O, dil. HCl, dil. NaOH) Paper CEMACOR12P: Chromatographic Separations 1. TLC separation of a mixture of dyes (fluorescein and methylene blue)	Paper CEMACOR07T: Grignard reagent; Organolithiums; Gilman cuprates: preparation and reactions (mechanism with evidence); addition of Grignard and organolithium to carbonyl compounds; Paper CEMACOR12T: Polynuclear hydrocarbons and their derivatives: synthetic methods include Haworth, Bardhan-Sengupta, PG Core -02: Organic Chemistry – 1: 1H NMR Spectroscopy: Equivalence and nonequivalence of protons Core -12: Organic Chemistry – 3: Dissolving metal-reduction, Synthetically useful hydrogenolysis reaction.
Week 9 to Week 12	Paper CEMACOR01P: Identification of a Pure Organic Compound Solid compounds: urea, glucose, cane sugar, benzoic acid and salicylic acid. Paper CEMHGEC01P: Qualitative Analysis of Single Solid Organic Compound(s): Detection of functional groups: Aromatic-NO2, Aromatic -NH2, -COOH Paper CEMACOR12P: Chromatographic Separations 1. Column chromatographic separation of leaf pigments from spinach leaves	Paper CEMACOR07T: abnormal behavior of Grignard reagents; comparison of reactivity among Grignard, organolithiums and organocopper reagents; Reformatsky reaction; Blaise reaction; concept of umpolung and base-nucleophile dichotomy in case of organometallic reagents. Paper CEMACOR12T: fixation of double bonds and Fries rule; reactions (with mechanism) of naphthalene, PG Core -02: Organic Chemistry – 1: coupling constant and its variation with stereochemistry – Karplus equation Core -12: Organic Chemistry – 3: Shapiro reaction, Mitsunobu reaction,
Week 13	Paper CEMACOR01P: Identification of a Pure Organic Compound Liquid Compounds: formic acid, acetic acid, methyl alcohol, ethyl alcohol, acetone, Paper CEMHGEC01P: Qualitative	Paper CEMACOR07T: Twelve (12) principles of green chemistry; planning of green synthesis; common organic reactions Paper CEMACOR12T: anthracene, phenanthrene and their derivatives,

Analysis of Single carbonyl (no distinction of –CHO and >C=O needed), -OH (phenolic) in solid organic compounds.

Paper CEMACOR12P: Paper

Paper CEMACOR12P: Paper chromatographic separation of a mixture containing 2/3 amino acids; NMR spectra analysis of (i) 4′ - Bromoacetanilide (ii) 2-Bromo-4′- methylacetophenone (iii) Vanillin (iv) 2′ - Methoxyacetophenone (v) 4- Aminobenzoic acid (vi) Salicylamide (vii) 2′Hydroxyacetophenone (viii) 1,3-Dinitrobenzene

PG Core -02: Organic Chemistry – 1: Application of 1H NMR and 13C NMR for structure elucidation.

Core -12: Organic Chemistry – 3: Hofmann-Loffler-Freytag reaction, Barton reaction, Barton decarboxylation and deoxygenation reaction,

Week13 to week 14

Internal Exam

Wee k 15 to 17	Paper CEMACOR01P: Identification of a Pure Organic Compound Liquid Compounds: aniline, dimethylaniline, benzaldehyde, chloroform and nitrobenzene; Unknown solid compound determination. Paper CEMHGEC01P: Qualitative determination unknown solid compounds Paper CEMACOR12P: Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C- N, C-X, C=C, C=O, N=O, C=C, C=N stretching frequencies; characteristic bending vibrations are included). Revision of whole allotted practical	Paper CEMACOR07T: Substitution at sp2 carbon (C=O system): mechanism (with evidence): BAC2, AAC2, AAC1, AAL1 (in connection to acid and ester); acid derivatives: amides, anhydrides & acyl halides (formation and hydrolysis including comparison). Paper CEMACOR12T: anthracene, phenanthrene and their derivatives, PG Core -02: Organic Chemistry – 1: Application of 1H NMR and 13C NMR for structure elucidation. Core -12: Organic Chemistry – 3: Tandem cycloaddition reaction, Baylis - Hilman Reaction, Passerini reaction , Ugi Reactions.
k 18	syllabus by University question papers	nevision the whole theory synabus by oniversity Question papers.

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Susanta Kumar Manna

Subject: Chemistry

Paper: CEMACOR01 (UG SEM-I), CEMACOR07 (UG SEM-III), CEMHGEC03 (UG SEM-III GE),

CEMACOR12 (UG SEM-V), CHEMCOR02 (PG SEM-I) and CHEMCOR12 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CHEMGEC03P:Identification of pure	CEMACOR07T: Aromatic electrophilic substitution-nitration,
to week 4	organic compound (known solid)	sulphonation, halogenation
	CEMACOR12P:Chromatographic	CEMACOR12T:Pericyclic reaction: pi molecular orbital
	separation mixture of amino acids-	CHEMCOR02: Pericyclic reaction, Woodward-Hoffmann
	TLC	selection rule, F.M.O,
	CHEMCOR02: Drying of organic	CHEMCOR12: Oxidation Zones reagent, Cr (VI), Collins,
	solvents Chlorinated solvent CHCl ₃ ,	PCC
	DCM	
Week 5	CHEMCOR02: Drying of organic	CEMACOR07T: Different electrophilic substitution and
to week 8	solvents- Toluene, THF	mechanism
	CHEMGEC03:Identification of pure	CHEMCOR12T: electrocyclic reaction
	organic compound (unknown solid)	CHEMCOR02: Electrocyclic reaction, Huckel-Mobius
	CHEMCOR12p: Alanine, Lysine,	approach
	Leucine (known)	CHEMCOR12: Oxidation, PDC, PFC, DMSO based oxidation
Week 9	CHEMCOR02: Drying of organic	CEMACOR07T: Nucleophilic substitution, Benzyne
to Week	solvents MeOH	mechanism
12	CHEMGEC03: Identification of pure	
	organic compound (known liquid)	CHEMCOR12T: Cycloaddition reaction
	CEMACOR12P:TLC separation with	CHEMCOR02: Cycloaddition reaction
	unknown and mixture	CHEMCOR12: Oxidation Mofatt, Swern, DMP, IBX, Ag ₂ O,
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Week 13	CHEMGEC03: Identification of pure	CEMACOR07T: Ipso substitution
	organic compound (unknown liquid)	CHELLOCOPIATE C.
	CHEMCOR02:ET ₃ N	CHEMCOR12T:Sigmatropic rearrangement
	CEMACOR12P:Paper	CHEMCOR02: Sigmatropic rearrangement [1,3] [1,5], [1,7]H
	chromatography	shift -group transfer reaction
		CHEMCOR12: reduction with Metal hydride B, Al, Sn, Si, Sm,
Week13 to	week 14 Internal	In Evan
week13 to	week 14 Internat	Exam
Week 15	CHEMGEC03: Identification of pure	CEMACOR07T: Tutorial of entire aromatic substitution
to 17	organic compound (unknown liquid)	CHEMCOR12T:Claisen and Cope rearrangement
	CEMACOR12P:Column	CHEMCOR02: [3,3]Claisen and Cope rearrangement
	chromatography with spinach leaves	CHEMCOR12: Special reaction Shapiro, Mitsonobu, Barton,
		Ugi, Passerini reaction
Week 18	Class test	Problem solving

Teaching Plan for Odd Semester, UG & PG course Department of Chemistry

Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Arup Kumar Adak

Subject: Chemistry

Paper: CEMACOR06 (UG SEM-III), CEMACOR11 (UG SEM-V), CHEMCOR01 (PG SEM-I) and

CHEMCOR11 (PG SEM-III)

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Sl No	Practical syllabus to be covered	Theory syllabus to be covered CEMACOROG: Malagular orbital gargent of banding (The
Week 1 to week 4	CEMACOR06P:Iodo-/ Iodimetricestimation of Cu ²⁺ ions CEMADSE02P: Estimation of .calcium, magnesium. AECC(PG):Plot of graphs for change in the UV-visand fluorescence spectra of the sensor L and in the presence of various metal ions using Origin Pro software	CEMACOR06: Molecular orbital concept of bonding (The approximations of the theory, Linearcombination of atomic orbitals (LCAO)) (elementary pictorial approach CEMACOR11: General Comparison on electronic configuration, oxidation states of lanthanoids and actinoids CEMADSE02: Flame Atomic Absorption Spectrometry: Basic principles of instrumentation (choice of source, monochromator, detector, choice of flame and Burner designs. CHEMCOR01(PG): Basic principle, instrumentation, special futures of Polarography CHEMCOR11(PG): Nuclearstability, terrestrial abundance,
		distribution, relativistic effect of <i>f</i> – <i>BlockElements</i>
Week 5 to week 8	CEMACOR06P:Iodo-/ Iodimetric estimation of Vitamin C CEMADSE02P: To separate a mixture of Ni ²⁺ & Fe ²⁺ by complexation with DMG and extracting the Ni ²⁺ DMG complex in chloroform, and determine its concentration by spectrophotometry. AECC(PG): Limit of detection (LOD) calculation for sensor Lusing Microsoft Excel and Origin Pro software	CEMACOR06:sigma and pi bonds and delta interaction, multiple bonding. orbital designations: gerade, ungerade, HOMO, LUMO. orbital mixing CEMACOR11: General Comparison on colour of lanthanoids and actinoids CEMADSE02:Flame Emission Spectrometry: Basic principles of instrumentation (choice of source, monochromator, detector, choice of flame and Burner designs. CHEMCOR01(PG):Special futures of Polarography and Ilkovic equation, half wave potential and its significance CHEMCOR11(PG):Electronic configuration,oxidationstates,aqueous-,redox-andcomplex-chemistry of f-BlockElements
Week 9 to Week 12	CEMACOR06P:Iodo-/ Iodimetricestimation of available chlorine in bleaching powder. CEMADSE02P: Determination of pKa values of indicator using spectrophotometry. AECC(PG)::Association constant using Benesi-Hildebrand method for sensor L usingMicrosoft Excel andOrigin Pro software	CEMACOR06: Bond properties: bond orders, bond lengths, MO diagrams of H ₂ , Li ₂ , Be ₂ , B ₂ , C ₂ , N ₂ , O ₂ , F ₂ , and their ions wherever possible CEMACOR11: General Comparison on spectral and of lanthanoids and actinoids CEMADSE02: Techniques of atomization and sample introduction CHEMCOR01(PG): Electroanalytical method: Basic principle, instrumentation, special futures of ion selective electrode CHEMCOR11(PG): Electronicspectra and magnetic properties. Lanthanide and actinide contractions and their consequences, separation of lanthanidesandactinidesand theirapplications(examples) of of f—BlockElements
Week 13	CEMACOR06P: Estimation of Cu in brass. AECC(PG):Job's plot for meatal ions calculated by absorption spectroscopy using Origin Pro software	CEMACOR06: Heteronuclear molecular orbitals: CO, NO, NO ⁺ , CN ⁻ CEMACOR11:Lanthanide contraction, separation of lanthanides (ion-exchange method only). Orgel diagrams for 3d1 to 3d9 ions. CEMADSE02:Method of background correction, sources of chemical interferences and their method of removal. CHEMCOR01(PG):Electroanalytical method: Basic

		principle, instrumentation, special futures of cyclic voltametry CHEMCOR11 (PG):General Comparison on magnetic properties of lanthanoids and actinoids
Week13 to	week 14 Interna	l Exam
Week 15 to 17	CEMACOR06P: Estimation of Fe in cement. AECC(PG): Plot of IR spectrausing Origin Pro software	CEMACOR06: Heteronuclear molecular orbitals: HF, BeH ₂ , CO ₂ and H ₂ O CEMACOR11: General Comparison on magnetic properties of lanthanoids and actinoids CEMADSE02: Techniques for the quantitative estimation of trace level of metal ions from water samples. CHEMCOR01(PG) Electroanalytical method: Basic principle, instrumentation, special futures ofampherometric titration, CHEMCOR11(PG): Lanthanidecompounds as high temperaturesuperconductor,nmr shiftreagentand MRI reagentof f— BlockElements
Week 18	Class test	Problem solving

$Teaching\ Plan\ for\ Odd\ Semester,\ UG\ \&\ PG\ course$

Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Arabinda Mandal

Subject: Chemistry

Paper: CEMG01T (UG SEM-I G), CEMACOR06 (UG SEM-III), CEMACOR11 (UG SEM-V), CHEMCOR01

(PG SEM-I) and CHEMCOR11 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Sl No Week 1 to week 4	Practical syllabus to be covered CEMACOR06P: Estimation of Cu(II) CEMACOR11P: Principles involved in chromatographic separations. Paper chromatographic separation of following metal ions: 1. Ni (II) and Co (II) 2. Fe (III) and Al (III) CHEMCOR01P: Spectrophotometric Determination of: Fe(III) by sulphosalicylic acid and thiocyanate method	Theory syllabus to be covered CEMG01T: Classification of elements on the basis of electronic configuration CEMACOR06T: Nuclear stability and nuclear binding energy. Nuclear forces: meson exchange theory. CEMG03T: Thermodynamic conditions for equilibrium, degree of advancement; Variation of free energy with degree of advancement; Equilibrium constant and standard Gibbs' free energy change. CEMADSE02T: Solvent extraction: Classification, principle and efficiency of the technique. Mechanism of extraction: extraction by solvation and chelation. Technique of extraction: batch, continuous and counter current extractions. CHEMCOR01T: Introduction to group, sub group CHEMDSE1: Franck-Condon principle, Mirror-image symmetry and its violation, Radiative and radiationless deactivation.
Week 5 to week 8	CEMACOR06P: Estimation of Vitamin C CEMACOR11P: Estimation of Ni(II) using Dimethylglyoxime (DMG). 2. Estimation of copper as CuSCN. CHEMCOR01P: Spectrophotometric Determination of: Mn(II) by periodate oxidation method	CEMACOR06T: Nuclear models (elementary idea): Concept of nuclear quantum number, magic numbers. Nuclear Reactions: Artificial radioactivity, transmutation of elements, fission, fusion and spallation reaction. CEMG03T: Definitions of KP, KC and KX and relation among them; van't Hoff's reaction isotherm, isobar and isochore from different standard states. CEMADSE02T: Qualitative and quantitative aspects of solvent extraction: extraction of metal ions from aqueous solution, extraction of organic species from the aqueous and nonaqueous media. CHEMCOR01T: Introduction to symmetry and symmetry operations. CHEMDSE1: Oscillator strength, Fluoroscence Quenchers and life-time variations, Photophysical processes of unimolecular processes
Week 9 to Week 12	CEMACOR06P: Estimation of available chlorine in bleaching powder. CEMACOR11P: Estimation of Al(III) by precipitating	CEMG01T: Positions of hydrogen and noble gases. Atomic and ionic radii. CEMACOR06T: Nuclear energy and power generation. Separation and uses of isotopes. CEMG03T: Shifting of equilibrium due to change in external
	with oxine and weighing as Al(oxine) ³ (aluminium oxinate).	parameters e.g. temperature and pressure; variation of equilibrium constant with addition to inert gas; Le Chatelier's principle.

	CHEMCODAID, C411	
	CHEMCOR01P: Synthesis of Reinicke's salt	CEMADSE02T: Chromatography: Classification, principle and efficiency of the technique. CHEMCOR01T: Matrix algebra for representation of group. CHEMDSE1: Delayed fluorescence, Kinetics of bimolecular processes: collision quenching.
Week 13	CEMACOR06P: Estimation of Cu in brass.	CEMG01T: Ionization potential, electron affinity, and electronegativity; periodic.
	CEMACOR11P: Estimation of chloride. CHEMCOR01P: Synthesis of bis(biguanido) copper(II) sulphate.	constant and ionic product of water; Ionization of weak acids and bases, pH scale, common ion effect.
		CEMADSE02T: Mechanism of separation: adsorption, partition & ion exchange. Development of chromatograms: frontal, elution and displacement methods. CHEMCOR01T: Matrix representation of symmetry operations, characters of symmetry operations. CHEMDSE1: Stern-Volmer equation, Concentration dependence of quenching.
Week13 to week 14 Internal Exam		
Week 15 to 17	CEMACOR06P: Estimation of Fe in cement. CEMACOR11P: Spectrophotometry 1. Measurement of 10Dq by spectrophotometric method. 2. Determination of λ _{max} of [Mn(acac) ₃] and [Fe(acac) ₃] complexes.	CEMG01T: Group-wise variation of above properties in respect of s- and p- block elements. CEMACOR06T: Radio carbon dating, hazards of radiation and safety measures. CEMG03T: Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for different salts; Buffer solutions; Solubility and solubility product of sparingly soluble salts – applications of solubility product principle. CEMADSE02T: Qualitative and quantitative aspects of chromatographic methods of analysis: IC, GLC, GPC, TLC and HPLC. CHEMCOR01T: Examples og Reducible representation. CHEMDSE1:Excimer formation, Excited state electron transfer processes.
Week 18	Revision and Practice	Revision

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 1, 3, 5 Name of the Teacher: Rituparna Biswas

Subject: Chemistry

Paper: CEMG01T (UG SEM-I G), CEMACOR06 (UG SEM-III), SEC-02T (UG SEM-III), CEMACOR11 (UG

SEM-V), CEMADSE02T (UG SEM -V), CHEMCOR01 (PG SEM-I) and CHEMCOR11 (PG SEM-III)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR06P: Estimation of Cu(II)	CEMG01T: Bohr's theory for hydrogen atom, atomic spectra of
to week 4	CEMADSE02P: Estimation of	hydrogen and Bohr's model.
	calcium, magnesium.	CEMACOR06T: radius ratio rule and its application and
	CHEMCOR01P: Spectrophotometric	limitations.
	Determination of:	CEMACOR11T: Orbital and spin magnetic moments, spin
	Fe(III) by sulphosalicylic acid and	only moments of d ⁿ ions.
	thiocyanate method	SEC-02T: Composition of soil, Concept of pH and pH
		measurement, Complexometric titrations, Chelation, Chelating
		agents, use of indicators
		CEMADSE02T: Basic principle of pH metric titration
		CHEMCOR01T: The concept of groups, subgroups, classes
		CHEMCOR11T: Stepwise and overall formation constants and
		their relations
Week 5	CEMACOR06P:	CEMG01T: Sommerfeld's model, quantum numbers and their
to week 8	Estimation of Vitamin C	significance
	CEMADSE02P: To separate a	CEMACOR06T: Born-Landé equation with derivation and
	mixture of Ni ²⁺ & Fe ²⁺ by	importance of Kapustinskii expression for lattice energy.
	complexation with DMG and	SEC-02T: Estimation of Calcium and Magnesium ions as
	extracting the Ni ²⁺ DMG complex in	Calcium carbonate by complexometric titration.
	chloroform, and determine its	CEMACOR11T: effective magnetic moments, including
	concentration by spectrophotometry.	orbital contribution.
	CHEMCOR01P: Spectrophotometric	CEMADSE02T: Potentiometric titration
	Determination of:	CHEMCOR01T: Group multiplication tables and the
	Mn(II) by periodate oxidation method	rearrangement theorem.
		CHEMCOR11T: factors affecting the stability of metal complexes with reference to the nature of the metal ions and
		ligands.
Week 9	CEMACOR06P:	CEMG01T: Pauli's exclusion principle, Hund's rule
to Week	Estimation of available chlorine in	CEMACOR06T: Madelung constant, Born-Haber cycle
12	bleaching powder.	SEC-02T: Definition of pure water, sources responsible for
12	CEMADSE02P: Determination of	contaminating water, water purification methods.
	pKa values of indicator using	CEMACOR11T: quenching of magnetic moment: super
	spectrophotometry.	exchange and antiferromagnetic interactions
	CHEMCOR01P: Synthesis of	CEMADSE02T: conductometric titrations.
	Reinicke's salt	CHEMCOR01T: Symmetry elements and operations,
		products of symmetry operations,
		CHEMCOR11T: non statistical factors influencing stability of
		complexes in solution.
Week 13	CEMACOR06P: Estimation of Cu in	CEMG01T: Electronic configuration of many-electron atoms
	brass.	CEMACOR06T: Born-Haber cycle and its application.
	CHEMCOR01P: Synthesis of	SEC-02T: Determination of pH, acidity and alkalinity of a
	bis(biguanido) copper(II) sulphate.	water sample.
		CEMACOR11T:Orgel diagrams for 3d1 to 3d9 ions.
		CEMADSE02T: Techniques used for the determination of
		equivalence points.
		CHEMCOR01T: identification of point groups, Matrix
		representation of symmetry operations,
		CHEMCOR11T: Stability and reactivity of mixed ligand
		complexes with reference to chelate effect and thermodynamic

		considerations. Macrocyclic effect.
Week13 to	week 14 Interna	l Exam
Week 15 to 17	CEMACOR06P: Estimation of Fe in cement.	CEMG01T: Aufbau principle and its limitations CEMACOR06T: Defects in solids, Solubility energetics of dissolution process. CEMADSE02T: Determination of dissolved oxygen (DO) of a water sample. CEMACOR11T: Selection rules for electronic spectral transitions; spectrochemical series of ligands; charge transfer spectra CEMADSE02T: Determination of composition of metal complexes using Job's method of continuous variation and mole ratio method. CHEMCOR01T: reducible and irreducible representations, the "Great Orthogonality Theorem" CHEMCOR11T:Spectrophotometric and pH metric determination of binary formation constants.
Week 18	Practice	Problem solving

Teaching Plan for Even Semester, UG and PG courses Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 2, 4, 6 Name of the Teacher: Dr. Nikhil Ranjan Pramanik

Subject: Chemistry

Paper: CEMACOR08T&P (UG SEM-IV), CEMACOR14T&P (UG SEM-VI), CHEMCOR08 and,

CHEMCOR10 (PG SEM-II), CHEMDSE02 and CHEMDSE03 (PG SEM-IV)

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Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Application of
to week 4	-III Lab: Discussion of principles of	Thermodynamics- II: Colligative properties.
	Physical experiments and Exp-1 and 2.	CENTA CODIATE DI L'ACIALITA DI CALI
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Surface
	-IV Lab: Discussion of principles of	Phenomenon: Surface tension and energy.
	Physical experiments and Exp-1 and 2.	
	CHEMCOD10. Practical 4. Physical	CHEMCODOR Dhysical Chamistry 2. Chamical Vinctics
	CHEMCOR10: Practical -4: Physical Chemistry Practical II: Discussion of	CHEMCOR08: Physical Chemistry -2: Chemical Kinetics. Introduction: Enzyme catalysis.
	principles of Physical experiments and	introduction: Enzyme catalysis.
	Exp-1.	
	CHEMDSE03: Laboratory	CHEMDSE02: Physical Chemistry: Macromolecules:
	Experiment and Research Project:	Introduction, Definition and types of polymers.
	Physical: Spectrophotometric	introduction, Definition and types of polymers.
	experiments: Discussion of principles	
	of Physical experiments and Exp-1 and	
	2.	
Week 5	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Application of
to week 8	-III Lab: Physical experiments: Exp-3	Thermodynamics- II: Phase rule-Part 1
	and 4.	
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Surface
	-IV Lab: Physical experiments Exp-3	Phenomenon: Adsorption.
	and 4.	•
	CHEMCOR10: Practical -4: Physical	CHEMCOR08: Physical Chemistry -2: Chemical Kinetics:
	Chemistry Practical II: Physical	Characteristics and mechanism of enzyme catalysis.
	experiments: Exp 2 and Exp-3.	
	CHEMDSE03: Laboratory	CHEMDSE02: Physical Chemistry: Macromolecules:
	Experiment and Research Project:	Polymerization process.
	Physical experiments: Exp-3, 4 and 5.	
Week 9	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Application of
to Week	-III Lab: Physical experiments: Exp-5	Thermodynamics- II: Phase rule-Part 2.
12	and 6.	
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Surface
	-IV Lab: Physical experiments Exp-5	Phenomenon: Heterogeneous catalysis.
	and 6.	
	CHEMCODIO, Drastical 4. Dhysical	CHEMCODOR, Dhysical Chamistry, 2. Chamical Vinction
	CHEMCOR10: Practical -4: Physical Chemistry Practical II: Physical	CHEMCOR08: Physical Chemistry -2: Chemical Kinetics: Surface reactions and kinetics.
	experiments: Exp 4.	Surface reactions and kinetics.
	CHEMDSE03: Laboratory	CHEMDSE02: Physical Chemistry: Macromolecules: Kinetics
	Experiment and Research Project:	of polymerization.
	Literature Review	or porymorization.
Week 13	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Application of
	-III Lab: Revision of Physical	Thermodynamics- II: Binary solutions.
	experiments.	2
	CEMACOR14P: Revision of Physical	CEMACOR14T: Physical Chemistry –IV: Surface
	experiments	Phenomenon: Colloids.
L	1 1	I.

	CHEMCOR10: Revision Physical Experiments. CHEMDSE03: Laboratory Experiment and Research Project: Project work	CHEMCOR08: Physical Chemistry -2: Chemical Kinetics: Micelles, micellar catalysis and its application. CHEMDSE02: Physical Chemistry: Macromolecules: Molecular weight of polymers- their determination.
Week13 to	week 14 Internal	Exam
Week 15 to 17	CEMACOR08P: Physical Chemistry –III Lab: Tutorial on Principles and experiments of Physical chemistry. CEMACOR14P: Physical Chemistry –IV Lab: Tutorial on Principles and experiments of Physical chemistry.	CEMACOR08T: Physical Chemistry –III: Application of Thermodynamics- II: Tutorial on Application of thermodynamics. CEMACOR14T: Physical Chemistry –IV: Surface Phenomenon: Tutorial on Surface Phenomenon.
	CHEMCOR10: Practical -4: Physical Chemistry Practical II: Tutorial on Principles and experiments of Physical Chemistry Experiments. CHEMDSE03: Laboratory Experiment and Research Project: Project work	CHEMCOR08: Physical Chemistry -2: Chemical Kinetics: Kinetics of fast reactions. CHEMDSE02: Physical Chemistry: Macromolecules: Conducting polymers
Week 18	Class test	Problem solving

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Teaching Plan for Even Semester, UG and PG courses Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 2, 4, 6 Name of the Teacher: Dr. Sanat Kumar Saha

Subject: Chemistry

Paper: CEMACOR08T&P (UG SEM-IV), CEMACOR14T&P (UG SEM-VI), CHEMCOR08 and, CHEMCOR10 (PG SEM-II), CHEMCOR17, CHEMDSE02 and CHEMDSE03 (PG SEM-IV)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Electrical properties
to week 4	-III Lab: Discussion of principles of	of molecules: Ionic equilibria, Electromotive force
	Physical experiments and Exp-1 and 2.	
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Molecular
	-IV Lab: Discussion of principles of	spectroscopy: Introduction, Rotational spectroscopy
	Physical experiments and Exp-1 and 2.	
	CHEMCOR10: Practical -4: Physical	CHEMCOR08: Physical Chemistry -2: Statistical
	Chemistry Practical II: Discussion of	Thermodynamics I: Introduction, Ensembles, Maxwell
	principles of Physical experiments and Exp-1.	Boltzman distribution.
	CHEMDSE03: Laboratory	CHEMCOR17: Physical Chemistry-4: Material Chemistry:
	Experiment and Research Project:	Introduction, Classification-Conductors, insulators,
	Spectrophotometric experiments:	semiconductors
	Discussion of principles of Physical	CHEMDSE02: Physical Chemistry: Non-equilibrium
	experiments and Exp-1 and 2.	thermodynamics: Introduction, thermodynamic criteria for non- equilibrium states
Week 5	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Electrical properties
to week 8	–III Lab: Physical experiments: Exp-3 and 4.	of molecules: Dipole moment and poarizability
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Molecular
	-IV Lab: Physical experiments Exp-3	spectroscopy: Vibrational and Raman spectroscopy
	and 4.	
	CHEMCOR10: Practical -4: Physical	CHEMCOR08: Physical Chemistry -2: Statistical
	Chemistry Practical II: Physical	Thermodynamics I: The molecular partition function and
	experiments: Exp 2 and Exp-3.	thermodynamic properties.
	CHEMDSE03: Laboratory	CHEMCOR17: Physical Chemistry-4: Material Chemistry:
	Experiment and Research Project:	Theoretical basis: Free electron theory of metals, Specific heat,
	Spectrophotometric experiments:	Hall effect
	Physical experiments: Exp-3, 4 and 5.	CHEMDSE02: Physical Chemistry: Non-equilibrium
		thermodynamics: Examples and criteria of irreversible
*** 1 0	CDA CORON DI LI ICI	processes
Week 9	CEMACOR08P: Physical Chemistry	CEMACOR08T: Physical Chemistry –III: Quantum chemistry:
to Week 12	–III Lab: Physical experiments: Exp-5 and 6.	Angular momentum, Hydrogen and Hydrogen-like atom
	CEMACOR14P: Physical Chemistry	CEMACOR14T: Physical Chemistry –IV: Molecular
	–IV Lab: Physical experiments Exp-5 and 6.	spectroscopy: NMR and ESR spectroscopy.
	CHEMCOR10: Practical -4: Physical	CHEMCOR08: Physical Chemistry -2: Statistical
	Chemistry Practical II: Physical	Thermodynamics I: Factorisation of molecular partition
	experiments: Exp 4.	function.
	CHEMDSE03: Laboratory	CHEMCOR17: Physical Chemistry-4: Material Chemistry:
	Experiment and Research Project:	Bloch theory, Bloch function
	Literature Review	CHEMDSE02: Physical Chemistry: Non-equilibrium
		thermodynamics: Phenomenological equations, equivalent
		systems. Onsager Reciprocity Relation, Examples and

		illustrations
Week 13	CEMACOR08P: Physical Chemistry –III Lab: Revision of Physical experiments.	CEMACOR08T: Physical Chemistry –III: Quantum chemistry: LCAO and HF-SCF method
	CEMACOR14P: Physical Chemistry –IV Lab: Revision of Physical experiments	CEMACOR14T: Physical Chemistry –IV: Photochemistry: Lambert-Beer's law, Photochemical processes
	CHEMCOR10: Practical -4: Physical Chemistry Practical II: Revision Physical Experiments.	CHEMCOR08: Physical Chemistry -2: Statistical Thermodynamics I : Thermodynamic properties of ideal gases.
	CHEMDSE03: Laboratory Experiment and Research Project: Project work	CHEMCOR17: Physical Chemistry-4: Material Chemistry: Band theory and its consequences, Semiconductors- intrinsic and extrinsic CHEMDSE02: Physical Chemistry: Non-equilibrium thermodynamics: Onsager Reciprocity Relation, Examples and illustrations
Week13 to	o week 14 Internal	
Week 15 to 17	CEMACOR08P: Physical Chemistry –III Lab: Tutorial on Principles and experiments of Physical chemistry.	CEMACOR08T: Physical Chemistry –III: Tutorial on electrical properties of molecules and Quantum chemistry.
	-III Lab: Tutorial on Principles and experiments of Physical chemistry. CEMACOR14P: Physical Chemistry -IV Lab: Tutorial on Principles and experiments of Physical chemistry. CHEMCOR10: Practical -4: Physical Chemistry Practical II: Tutorial on Principles and experiments of Physical	electrical properties of molecules and Quantum chemistry. CEMACOR14T: Physical Chemistry –IV: Photochemistry:
	-III Lab: Tutorial on Principles and experiments of Physical chemistry. CEMACOR14P: Physical Chemistry -IV Lab: Tutorial on Principles and experiments of Physical chemistry. CHEMCOR10: Practical -4: Physical Chemistry Practical II:Tutorial on	electrical properties of molecules and Quantum chemistry. CEMACOR14T: Physical Chemistry –IV: Photochemistry: Rate of photochemical processes. CHEMCOR08: Physical Chemistry -2: Statistical Thermodynamics I: Calculation of equilibrium constant of gaseous reaction in terms of partition function.
	-III Lab: Tutorial on Principles and experiments of Physical chemistry. CEMACOR14P: Physical Chemistry -IV Lab: Tutorial on Principles and experiments of Physical chemistry. CHEMCOR10: Practical -4: Physical Chemistry Practical II:Tutorial on Principles and experiments of Physical Chemistry Experiments. CHEMDSE03: Laboratory Experiment and Research Project:	electrical properties of molecules and Quantum chemistry. CEMACOR14T: Physical Chemistry –IV: Photochemistry: Rate of photochemical processes. CHEMCOR08: Physical Chemistry -2: Statistical Thermodynamics I: Calculation of equilibrium constant of gaseous reaction in terms of partition function. CHEMCOR17: Physical Chemistry-4: Material Chemistry: Superconductor: Theory and application.
	-III Lab: Tutorial on Principles and experiments of Physical chemistry. CEMACOR14P: Physical Chemistry -IV Lab: Tutorial on Principles and experiments of Physical chemistry. CHEMCOR10: Practical -4: Physical Chemistry Practical II:Tutorial on Principles and experiments of Physical Chemistry Experiments. CHEMDSE03: Laboratory	electrical properties of molecules and Quantum chemistry. CEMACOR14T: Physical Chemistry –IV: Photochemistry: Rate of photochemical processes. CHEMCOR08: Physical Chemistry -2: Statistical Thermodynamics I: Calculation of equilibrium constant of gaseous reaction in terms of partition function. CHEMCOR17: Physical Chemistry-4: Material Chemistry:

Teaching Plan for Even Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 2,4,6 Name of the Teacher: Anisur Rahaman Molla

Subject: Chemistry

Paper: CEMACOR04 (UG SEM-II), CEMACOR10 (UG SEM-IV), CEMSSEC002 (UG SEM-IV),

CEMHGEC04 (UG SEM-IV GE) CHEMCOR07&CHEMCOR10 (PG SEM-II) and CHEMDSE02 (PG SEM-

IV)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR04:Organic Preparations	CEMACOR10: Rearrangement to electron-deficient carbon
to week 4	(1-3)	CEMSSEC002: Carbohydrate
	CHEMCOR10:Separation,	CEMHGEC04: Solutions (1 st part)
	purification and identification of	CHEMCOR07: Heterocyclic Chemistry: Hantzsch-Widman
	organic compounds in binary mixtures	nomenclature
	(Known samples)	CHEMDSE02:Proteins
Week 5	CEMACOR04:Organic Preparations	CEMACOR10: Rearrangement to electron-deficient nitrogen
to week 8	(4-6)	CEMSSEC002: Protein
	CHEMCOR10: Separation,	CEMHGEC04: Solutions (2 nd part)
	purification and identification of	CHEMCOR07: Pyrrole-Synthesis & Reactivity
	organic compounds in binary mixtures	CHEMDSE02:Carbohydrates
	(2 unknown samples)	·
Week 9	CEMACOR04: Organic Preparations	CEMACOR10: Aromatic rearrangements
to Week	(7-9)	CEMSSEC002: Enzyme
12	CHEMCOR10: Separation,	CEMHGEC04: Phase rule
	purification and identification of	CHEMCOR07: FuranSynthesis & Reactivity
	organic compounds in binary mixtures	CHEMDSE02: Nucleic acids
	(2 unknown samples)	
Week 13	CEMACOR04:Organic Preparations	CEMACOR10: Rearrangement to electron-deficient oxygen
	(10)	CEMSSEC002: Biocatalysis
	CHEMCOR10: Separation,	CEMHGEC04: Phase diagram (one component system)
	purification and identification of	CHEMCOR07: Thiophene-Synthesis & Reactivity
	organic compounds in binary mixtures	CHEMDSE02:Replication, transcription
	(1 unknown samples)	
Week13 to	week 14 Internal	Exam
Week 15	CEMACOR04:Organic Preparations	CEMACOR10: Rearrangement reactions by green approach
to 17	(11)	CEMSSEC002: Biochemistry of disease
,	CHEMCOR10: Separation,	CEMHGEC04: Phase diagram (two component system)
	purification and identification of	CHEMCOR07: heterocycles in organic synthesis-Masked
	organic compounds in binary mixtures	functionalities
	(1 unknown samples)	CHEMDSE02:Structural features of DNA and RNA
Week 18	Class test	Problem solving

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 2,4,6 Name of the Teacher: Tirtha Pada Majhi

Subject: Chemistry

Paper: CEMACOR04 (UG SEM-II), CEMACOR10 (UG SEM-IV), CEMSSEC002 (UG SEM-IV), CEMHGEC04 (UG SEM-IV GE) CHEMCOR07 (PG SEM-II) and CHEMCOR16 (PG SEM-IV)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR04: Organic Preparations	CEMACOR04: Chirality arising out of stereo-axis
to week 4	(1-3)	CEMACOR1: Nitro compounds: aliphatic and aromatic
	CHEMCOR10: Separation,	CEMSSEC002: Lipids
	purification and identification of	CEMHGEC04: Conductance, cell constant, specific
	organic compounds in binary mixtures	conductance: variation with dilution
	(Known samples)	CEMADSE05T: Chemical explosives
		CHEMCOR07: Reduction using boron compounds
		CHEMCOR16: Bacterial and animal cells, mode of action of
		antibacterial agents, Sulfonamides
Week 5	CEMACOR04: Organic Preparations	CEMACOR04: Concept of pro-stereoisomerism
to week 8	(4-6)	CEMACOR10: Amines: Aliphatic
	CHEMCOR10: Separation,	CEMSSEC002: Lipoproteins
	purification and identification of	CEMHGEC04: Conductance at infinite dilution and their
	organic compounds in binary mixtures	determination for strong and weak electrolytes, Ostwald's
	(2 unknown samples)	dilution law
		CHEMCOR07: Hydroboration
		CHEMCOR16: β-lactum antibiotics
Week 9	CEMACOR04:Organic Preparations	CEMACOR04: Conformational: nomenclature, energy barrier,
to Week	(7-9)	stability
12	CHEMCOR10: Separation,	CEMACOR10: Amines: Aromatic
	purification and identification of	CEMSSEC002: Structure and biological role of DNA and
	organic compounds in binary mixtures	RNA
	(2 unknown samples)	CEMHGEC04: Application of conductance measurement
		CHEMCOR07: Reactions of organoboranes
		CHEMCOR16: 2 nd generation antibiotics
Week 13	CEMACOR04: Organic Preparations	CEMACOR04: Strains in molecules
	(10)	CEMACOR10: Alkylnitrile and isonitrile
	CHEMCOR10: Separation,	CEMSSEC002: Replication, Transcription and Translation
	purification and identification of	CEMHGEC04: Transport Number
	organic compounds in binary mixtures	CHEMCOR07: Unsaturated hydrocarbon synthesis
	(1 unknown samples)	CHEMCOR16: Anti-AIDS drugs
Week 14	Internal Exam	
Week 15	CEMACOR04: Organic Preparations	CEMACOR04: Conformational analysis of selected alkanes
to 17	(11)	and haloalkanes
	CHEMCOR10: Separation,	CEMACOR10: Diazonium salts and their related compounds
	purification and identification of	CEMSSEC002: Biochemistry of disease
	organic compounds in binary mixtures	CEMHGEC04: Electromotive force
	(1 unknown samples)	CHEMCOR07: Rearrangements of borane compounds
	, ,	CHEMDSE02: Structural features of DNA and RNA
		CHEMCOR16: Omeprazole, Prostaglandins- structure and
		synthesis
Week 18	Class test	Problem solving

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA Teaching Planfor even Semester, UG & PG course Department of Chemistry Session (2020-2021)

Class: B.A/ B.Sc Semester 2,4,6

Name of the Teacher: Dr. Shubhankar Samanta

Subject: Chemistry

Paper: CEMACOR04P, CEMADSE04P, Core -05: Practical - 2, DSE - 03 - Laboratory Experiment & Research

Project:

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	CEMACOR04P: Estimation of	CEMACOR04T: Nucleophilic substitution reactions:
to week	glycine by Sörensen"s formol	substitution at sp3 centre: mechanisms (with evidence),
4	method	relative rates & stereochemical features: SN1.
	CEMADSE04P: Use of molecular	CEMACOR10T:
	model kit to stimulate the reaction	Amines: Aliphatic & Aromatic: preparation, separation
	to investigate how the atom	(Hinsberg's method) and identification of primary, secondary
	economy can illustrate Green	and tertiary amines; reaction (with mechanism)
	Chemistry.	CEMADSE04T:
	Core -05: Practical – 2: Solvent	Green Synthesis of the following compounds: adipic
	Distillation	acid, catechol, disodium iminodiacetate (alternative to
	DSE – 03 – Laboratory Experiment	Strecker synthesis)
	& Research Project: Project Work &	Core -07: Organic Chemistry – 2, PG2: Organosulphur:
	Separation, purification and	Sulphur stabilization of anions and cations
	identification of organic	PG4-DSE: Advanced NMR spectroscopy 13M Application of
	compounds in binary mixtures	DEPT,1H1H COSY,
Week 5	CEMACOR04P: Estimation of	CEMACOR04T: SNi; effects of solvent, substrate structure,
to week	glucose by titration using Fehling"s	leaving group and nucleophiles (including ambident
8	solution	nucleophiles, cyanide & nitrite);
	Estimation of vitamin-C (reduced)	
	CEMADSE04P:	CEMACOR10T:
	Benzoin condensation using	Eschweiler–Clarke methylation, diazo coupling reaction,
	Thiamine Hydrochloride as a	Mannich reaction; formation and reactions of
	catalyst instead of cyanide.	phenylenediamines, diazomethane and diazoacetic ester.
	PG-2: Solvent Distillation	CEMADSE04T:
	PG-4: Project Work & Separation,	Microwave assisted reactions in water: Hofmann Elimination,
	purification and identification of	methyl benzoate to benzoic acid, oxidation of toluene and
	organic compounds in binary	alcohols; microwave assisted reactions 54 in organic solvents
	mixtures	Diels-Alder reaction and Decarboxylation reaction 3.
		Ultrasound assisted reactions: sonochemical Simmons-Smith
		Reaction
		Core -07: Organic Chemistry – 2, PG2: Organosulphur:
		Sulphonium salts, Sulphonium and sulphoxonium ylides
		PG4-DSE: Advanced NMR spectroscopy. Application of TOCSY,
		NOESY
Week 9	CEMACOR04P: Estimation of	CEMACOR04T: substitutions involving NGP; role of crown
to Week	formaldehyde (Formalin)	ethers and phase transfer catalysts;
12	Estimation of acetic acid in	CEMACOR10T : preparation and reaction (with mechanism):
	commercial vinegar	reduction under different conditions; Nef carbonyl synthesis,
	CEMADSE04P:	Henry reaction and conjugate addition of nitroalkane anion.
	Mechanochemical solvent free	
	synthesis of azomethines.	CEMADSE04T:
	Photoreduction of benzophenone	Ultrasound assisted reactions: sonochemical Simmons-Smith
	to benzopinacol in the presence of	Reaction (Ultrasonic alternative to Iodine) 4 Surfactants for

	sunlight PG-2: Solvent Distillation PG-4: Project Work & Separation, purification and identification of organic compounds in binary mixtures	carbon dioxide – replacing smog producing and ozone depleting solvents with CO2 for precision cleaning and dry cleaning of garments. 5 Designing of Environmentally safe marine antifoulant. 6 Rightfit pigment: synthetic azopigments to replace toxic organic and inorganic pigments. 7 An efficient, green synthesis of a compostable and widely applicable plastic (poly lactic acid) made from corn. Core -07: Organic Chemistry – 2, PG2: Oganosilicon Compounds PG4-DSE: Advanced NMR spectroscopy. Application of HMBC, HSQC
Week 13	CEMACOR04P: Estimation of Aniline Estimation of Phenol CEMADSE04P: Photoreduction of benzophenon to benzopinacol in the presence of sunlight PG-2: Solvent Distillation PG-4: Project Work & Separation, purification and identification of organic compounds in binary mixtures	CEMACOR04T: substitutions involving NGP; role of crown ethers and phase transfer catalysts; CEMACOR10T: preparation and reaction (with mechanism): reduction under different conditions; Nef carbonyl synthesis, Henry reaction and conjugate addition of nitroalkane anion. CEMADSE04T: Oxidation reagents and catalysts; Biomimetic, multifunctional reagents; Combinatorial green chemistry; Proliferation of solventless reactions; co crystal controlled solid state synthesis (C2 S 3); Green chemistry in sustainable development. Core -07: Organic Chemistry – 2, PG2: Oganosilicon Compounds PG4-DSE: Advanced NMR spectroscopy. Solid State NMR
Week 15 to 17	CEMACOR04P: Estimation of Unknown sample solution PG-2: Solvent Distillation PG-4: Project Work & Separation, purification and identification of organic compounds in binary mixtures	CEMACOR04T: substitutions involving NGP; role of crown ethers and phase transfer catalysts; CEMACOR10T: preparation and reaction (with mechanism): reduction under different conditions; Nef carbonyl synthesis, Henry reaction and conjugate addition of nitroalkane anion. CEMADSE04T: Oxidation reagents and catalysts; Biomimetic, multifunctional reagents; Combinatorial green chemistry; Proliferation of solventless reactions; co crystal controlled solid state synthesis (C2 S 3); Green chemistry in sustainable development. Core -07: Organic Chemistry – 2, PG2: Oganosilicon Compounds PG4-DSE: Problem and Solution of NMR spectroscopy
Week	Revision, Practise	Revision

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc. and M.Sc.

Semester: 2,4,6 Name of the Teacher: Susanta Kumar Manna

Subject: Chemistry

Paper: CEMACOR04 (UG SEM-II), CEMACOR10 (UG SEM-IV), CEMSSEC002 (UG SEM-IV), CEMHGEC04 (UG SEM-IV GE) CHEMCOR07 (PG SEM-II) and CHEMDSE02 (PG SEM-IV)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR10P: estimation (1,2))	CEMACOR10T: NMR Spectroscopy-principle
to week 4	CHEMDSE03: multistep organic	CHEMCOR07: alkaloid (Coniine, tropine)
	synthesis; TLC treatment	CHEMDSE04T: Principles of green chemistry
		CHEMDSE02: Advanced pericyclic reaction, General
		perturbation molecular orbital theory,
		CEMACOR04T: elimination reaction –E1, E1CB
Week 5	CEMACOR10P: estimation (3-5))	CEMACOR10T: NMR Spectroscopy Chemical shift
to week 8	CHEMDSE03: multistep organic	CHEMDSE04T:Design of green solvent in
	synthesis; Preparation of phthalic acid	ionic liquids, fluorous biphasic solvent, PEG,
	to pthalimide	CHEMCOR07: Alkalod (Cocaine, quinine)
		CHEMDSE02:Correlation diagram, [1,3] Dipolar
		cycloaddition
		CEMACOR04T: elimination reaction E2, Ei, mechanism
Week 9	CEMACOR10P: estimation (6,7))	CEMACOR10T: NMR Spectroscopy, diamagnetic anisotropic
to Week	CHEMDSE03: project work and	effect
12	literature review	CHEMDSE04T:Solventless approach in green chemistry
		CHEMCOR07: Terpenoid (pinene, camphor,)
		CHEMDSE02: Electrocyclic reaction in charged system
		CEMACOR04T: Hoffmann and Saytzeff elimination reaction
Week 13	CEMACOR10P: estimation (8,9))	CEMACOR10T: NMR Spectroscopy-
	CHEMDSE03: project work and	CHEMDSE04T:Instrumental approach Microwave, sonication,
	literature review	in green chemistry
		CHEMCOR07: Terpenoid (caryophyllene)
		CHEMDSE02: Ene reaction, group transfer reaction
		CEMACOR04T: elimination reaction-Bredts rule, comparison
		of Substitution and elimination
Week13 to	week 14 Internal	Exam
Week 15	CEMACOR10P:estimation (10))	CEMACOR10T: NMR Spectroscopy
to 17	CHEMDSE03: project work and	CHEMDSE04T: Future trends ingreen chemistry
	literature review	CHEMCOR07:Steroid (cholesterol)
		CHEMDSE02:Cope and Claisen rearrangement [5,5] and [2,3]
		shift in ylide
		CEMACOR04T: elimination reaction tutorial class
Week 18	Class test	Problem solving

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 2,4,6 Name of the Teacher: ARUP KUMAR ADAK

Subject: Chemistry

Paper: CEMACOR03 (UG SEM-II), CEMACOR09 (UG SEM-IV), CEMACOR13 (UG SEM-VI),

CHEMCOR06 (PG SEM-II) and CHEMCOR11 (PG SEM-IV)

Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR03P: Estimation of Fe(II)	CEMACOR03T: Ion-electron method of balancing equation of
to week 4	using standardized KMnO ₄ solution CEMACOR09P: Complexometric titration Zn(II) CHEMCOR15P: Determination of composition of complexes formed in solution by spectrophotometric methods: Mole-ratio method	redox reaction CEMACOR09T: Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of group 1 and 2. Study of Beryllium hydrides and halides compounds with emphasis on structure, bonding, preparation, properties and uses. CEMACOR13T:Definition and classification of organometallic compounds on the basis of bond type .Concept of hapticity of organic ligands. 18-electron and 16-electron rules (pictorial MO approach) CHEMCOR06T(PG):Main group organometallics: Classification, synthesis, reactions, structure and bonding and applications with typical examples CHEMCOR15T:Catalysisby Organometalliccompounds: Hydrogenationofolefins, Wilkinson'scatalyst, Tolmancatalytic
		loop,synthesis gas, water-gas shift reaction;
Week 5 to week 8	CEMACOR03P:Estimation of Fe(II) and Fe(III) in a given mixture using K2Cr2O7 solution. CEMACOR09P: Zn(II) in a Zn(II) and Cu(II) mixture. CHEMCOR15P:Determination of composition of complexes formed in solution by spectrophotometric methods: Slope- ratio method	CEMACOR03T: Elementary idea on standard redox potentials with sign conventions, Nernst equation (without derivation). CEMACOR09T: Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of group 13 and 14 CEMACOR13T: Applications of 18-electron rule to metal carbonyls, nitrosyls, cyanides CHEMCOR06T(PG): Application of 18- electron and 16-electron rules to transition metal organometallics, structure, bonding pictorial mo-approach) and reactions of of η2-ethylinic, η3-allylic and η5- cyclopentadineyl compounds: K [Pt (η2-C2H4)Cl3], [(η3-C3H5) Pd Cl]2, (η5-C5H5)2 Fe]; CHEMCOR15T(PG):), Catalysis by Organometalliccompounds: Hydroformylation (oxo process), Monsantoacetic acid process, Wackerprocess;
Week 9 to Week 12	CEMACOR03P: Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO4 solution . CEMACOR09P: Ca(II) and Mg(II) in a mixture. CHEMCOR15P:Determination of composition of complexes formed in solution by spectrophotometric methods: Job's method of continuous variation	CEMACOR03T: Influence of complex formation on redox potentials; formal potential CEMACOR09T: Allotropy and catenation and relative stability of different oxidation states and anomalous behaviour of first member of group 15 CEMACOR13T:General methods of preparation of mono and binuclear carbonyls of 3d series.Structures of mononuclear and binuclear carbonyls. CHEMCOR06T(PG):Carbene and carbyne complexes. CHEMCOR15T(PG):Syntheticgasoline:Fischer-Tropsch processandMobileprocess,polymerization, oligomerization
Week 13	CEMACOR03P: Estimation of Fe(III) and Cu(II) in a	CEMACOR03T: Influence of precipitation on redox potentials CEMACOR09T:Study of Boric acid and borates, boron

	conductance method	substitution, oxidative addition, reductive elimination, CHEMCOR15T(PG):Metathesisreactionsof alkenesandalkynes,Zieglar-Nattacatalysis.
Week13 to	o week 14 Interna	al Exam
Week 15 to 17	CEMACOR03P: Estimation of Fe(III) and Cr(III) in a mixture using K2Cr2O7. CEMACOR09P: Preparation of [Mn(acac)3] and Fe(acac)3] (acac=acetylacetonate)	CEMACOR03T: Influence of change of pH on redox potentials, Disproportionation and comproportionation reactions. CEMACOR09T: Study of graphitic compounds, silanes, Oxides and oxoacids of nitrogen, phosphorus compounds with emphasis on structure, bonding, preparation, properties and uses, CEMACOR13T:Reactions of organometallic complexes: substitution, oxidative addition, reductive elimination and insertion reactions CHEMCOR06T(PG):Reactions of organometallic complexes: insertion and elimination, electrophilic and nucleophilic reactions of coordinated ligands CHEMCOR15T:Photo dehydrogenationcatalyst(platinum POP).
Week 18	Class test	Problem solving

nitrides, borohydrides (diborane) compounds with emphasis on

CEMACOR13T:Pi-acceptor behaviour of CO, synergic effect

CHEMCOR06T(PG): Reactions of organometallic complexes:

structure, bonding, preparation, properties and uses,

and use of IR data to explain extent of back bonding.

mixture using K2Cr2O7.

H[Co(III)(DMGH)₂Cl₂], by

the complex,

CEMACOR09P: Hardness of water.

CHEMCOR15P:Determination of the rates of consecutive aquation of

Teaching Plan for Odd Semester, UG&PG course Department of Chemistry

Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 2,4,6 Name of the Teacher: Arabinda Mandal

Subject: Chemistry

Paper: CEMACOR03 (UG SEM-II), CEMACOR09 (UG SEM-IV), CEMACOR13 (UG SEM-VI),

CHEMCOR06 (PG SEM-II) and CHEMCOR11 (PG SEM-IV)

		,
Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR03P: Estimation of Fe(II)	CEMACOR03T: Modern IUPAC Periodic table, Effective
to week 4	using standardized KMnO ₄ solution	nuclear charge, screening effects and penetration,
	CEMACOR09P: Complexometric	CEMACOR09T: Occurrence and uses, rationalization of
	titration Zn(II)	inertness of noble gases, peculiar behaviour of liquid helium,
	CEMACOR13P: Qualitative	Clathrates CEMACOR12To Zeige's cells. Programation estructura
	semimicro analysis of mixtures	CEMACOR13T: Zeise's salt: Preparation, structure, evidences of synergic effect.
	containing four radicals: Cation	CEMADSE-O5T: Classification of alloys, ferrous and non-
	Radicals: Na ⁺ , K ⁺ , Ca ²⁺ , Sr ²⁺ , Ba ²⁺ ,	ferrous alloys
	Al ³⁺ , Cr ³⁺ , Mn ²⁺ /Mn ⁴⁺	DSE T2: Separation techniques: Solvent extraction:
		Classification, principle and efficiency of the technique.
	CEMGEP2: Inorganic Chemistry-	Mechanism of extraction: extraction by solvation and chelation.
	LAB Qualitative semimicro	
	analysis of mixtures containing	CEMGET2: Comparative study of p-block elements:
	three radicals.	Group trends in electronic configuration, modification of pure
		elements.
	CEMGEP4: To find the total	CEMGET4: The Atmosphere: composition and structure of the
	hardness of water by EDTA titration.	atmosphere; troposphere, stratosphere, mesosphere and
		thermosphere; ozone layer and its role; major air pollutants:
	CHEMCOR13P:Semimicro	CO, SO2, NOx and particulate matters – their origin and
	qualitative inorganic analysis including	harmful effects
	rare elements. Cation Radicals derived	CHEMCOR06 (PG SEM-II): LCAO-MO and VB treatments
	from: Ag, Hg, Pb, Bi, Cd, Cu, As, Sb,	on H_2^+ , H_2
	Sn, Fe, Al, Cr, Co, Ni, Mn, Zn, Ba, Sr,	CHEMCOR13T: Construction of character tables (C_2v ,
	Ca,Mg, Na, K and NH ₄ ⁺ ion.	C_3v , C_4v , D_4).
		CHEMCOR15T: Fundamentals of X-ray crystallography,
		crystal forms, lattice, primitive cell, crystal systems and
		symmetry.
Week 5	CEMACOR03P: Estimation of Fe(II)	CEMACOR03T: Slater's rules, atomic radii, ionic radii
to week 8	and Fe(III) in a given mixture using	(Pauling's univalent), covalent radii, lanthanide contraction.
	$K_2Cr_2O_7$ solution.	Ionization potential, electron affinity
	CEMACOR09P: Zn(II) in a Zn(II) and Cu(II) mixture.	CEMACOR09T: preparation and properties of XeF2, XeF4 and XeF6
	and Cu(n) mixture.	CEMACOR13T: Ferrocene: Preparation and reactions
	CHEMCOR13P: Qualitative	(acetylation, alkylation, metallation, Mannich Condensation)
	semimicro analysis of mixtures	DSE T2: Separation techniques: Technique of extraction:
	containing four radicals: , Fe ³⁺ ,	batch, continuous and counter current extractions.
	$\text{Co}^{2+}/\text{Co}^{3+}, \text{Ni}^{2+}, \text{Cu}^{2+}, \text{Zn}^{2+}, \text{Pb}^{2+},$	Qualitative and quantitative aspects of solvent extraction:
	Cd^{2+} , Bi^{3+} , Sn^{2+}/Sn^{4+} , As^{3+}/As^{5+} ,	extraction of metal ions from aqueous solution, extraction of
	Sb ³⁺ / ⁵⁺ , NH ⁴⁺ , Mg ²⁺ .	organic species from the aqueous and non aqueous
	SO / , NH , Mg .	media.
	CEMCED2. Inorgania Chamistra	CEMGET2: common oxidation states, inert pair effect, and
	CEMGEP2: Inorganic Chemistry-	their important compounds in respect of the following groups of
	LAB Qualitative semimicro	elements.
	analysis of mixtures containing	CEMGET4: Problem of ozone layer depletion; green house
	three radicals.	effect; acid rain and photochemical smog; air pollution
	CEMGEP4: To find the PH of an	episodes: air quality standard; air pollution control measures:
	unknown solution by comparing	cyclone collector, electrostatic precipitator, catalytic converter.
	color of a series of HCl solutions + 1	

drop of methyl orange, and a similar series of NaOH solutions + 1 drop of phenolphthalein.

CHEMCOR13P: Anion Radicals: F⁻, Cl⁻, Br⁻, I⁻, BrO₃⁻, IO₃⁻, SCN⁻, S²- S2O₃²-, SO₃²-, SO₄²-, NO₂⁻, NO₃⁻, PO₄³-, AsO₃³-AsO₄³-, BO₃³-, H₃BO₃,SiO₂⁻, CrO₄²-, Cr₂O₇²-, [Fe(CN)₆⁴-], [Fe(CN)₆³-].

CHEMCOR06 (PG SEM-II): application to homo- and hetero- nuclear diatomic molecules/ ions of second period elements

CHEMCOR13T: representation for cyclic groups, wave functions as bases for Irreducible Representations.

CHEMCOR15T: non-primitive lattices, crystal classes, space groups, crystals and their properties.

Week 9 to Week 12

CEMACOR03P:

Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO₄ solution

. **CEMACOR09P:** Ca(II) and Mg(II) in a mixture.

CEMACOR13P: Qualitative semimicro analysis of mixtures containing four radicals: Anion Radicals: F⁻, Cl⁻, Br⁻, BrO₃⁻, I⁻, IO₃⁻, SCN⁻, S²⁻, SO₄ ²⁻, NO₃⁻ **CEMGEP2:** Inorganic Chemistry-LAB Qualitative semimicro analysis of mixtures containing three radicals.

CEMGEP4: To determine the rate constant for the acid catalysed hydrolysis of an ester.

CHEMCOR13P:

Insoluble Materials: PbSO₄, BaSO₄, SrSO₄, PbCrO₄, CaF₂, SiO₂ and various silicates, SnO₂, Al₂O₃, Fe₂O₃, Cr₂O₃, AgCl, AgBr, AgI.
Cation radicals, anion radicals and insoluble materials derived from the following rare Elements: V, Mo, W, U, Ti, Zr and Ce.

CEMACOR03T: electronegativity (Pauling's, Mulliken's and Allred-Rochow's scales) and factors influencing these properties

CEMACOR09T: Nature of bonding in noble gas compounds (Valence bond treatment

CEMACOR13T: Reactions of organometallic complexes: substitution.

DSE T2: Separation techniques: **Chromatography:** Classification, principle and efficiency of the technique. Mechanism of separation: adsorption, partition & ion exchange. **CEMGET2:** Comparative study of B-Al-Ga-In-Tl and C-Si-Ge-Sn-Pb

CEMGET4: The Hydrosphere: environmental role of water, natural water sources, water treatment for industrial, domestic and laboratory uses; water pollutants; action of soaps and detergents, phosphates, industrial effluents, agricultural runoff, domestic wastes; thermal pollution, radioactive pollution and their effects on animal and plant life.

CHEMCOR06 (PG SEM-II): Electron density, forces and theirrole in chemical bonding. Hybridization and valences. CHEMCOR13T: Symmetry of normal modes, normal mode analysis, selection rules for IR and Raman transitions.

CHEMCOR15T: Diffraction of x-ray, lattice planes, indices, Bragg's condition, reciprocal lattice, Bragg's law in reciprocal.

Week 13

CEMACOR03P:

Estimation of Fe(III) and Cu(II) in a mixture using $K_2Cr_2O_7$.

CEMACOR09P: Hardness of water. CEMACOR13P: Qualitative semimicro analysis of mixtures containing four radicals: NO²⁻, PO₄³⁻, AsO₄³⁻, BO₃³⁻, CrO₄²⁻/Cr₂O₇²⁻, Fe(CN)₆⁴⁻, Fe(CN)₆³⁻. CEMGEP2: Inorganic Chemistry-LAB Qualitative semimicro analysis of mixtures containing three radicals.

CEMGEP4: Determination of the strength of the H₂O₂ sample. **CHEMCOR13P:** Analysis of Dolomite (CaCO₃, MgCO₃, Fe₂O₃, SiO₂) and Pyrolusite (MnO₂, MnO, Fe₂O₃).

CEMACOR03T: group electronegativities. Group trends and periodic trends in these properties in respect of s-, p- and d-block elements

CEMACOR09T: MO treatment for XeF2 and XeF4). Xenon-oxygen compounds.

CEMACOR13T: Reactions of organometallic complexes: oxidative addition, reductive elimination.

DSE T2: Separation techniques: Development of chromatograms: frontal, elution and displacement methods.

CEMGET2: Comparative study of N-P-As-Sb-Bi

CEMGET4: Water pollution episodes: water pollution control measures: waste water treatment; chemical treatment and microbial treatment; water quality standards: DO, BOD, COD, TDS and hardness parameters; desalination of sea water: reverse osmosis, electrodialysis.

CHEMCOR06 (PG SEM-II): MO's of H₂O, NH₃, CH₄. Huckel – pi – electron theory.

CHEMCOR13T: Projection operator (without derivation). CHEMCOR15T: Geometric data collection (simple examples), structure factor, systematic absence, heavy atom method.

Week13 to	o week 14 Internal	Exam
Week13 to Week 15 to 17	CEMACOR03P: Estimation of Fe(III) and Cr(III) in a mixture using K ₂ Cr ₂ O ₇ . CEMACOR09P: Preparation of [Mn(acac) ₃] and Fe(acac) ₃] (acac=acetylacetonate) CEMACOR13P: Qualitative semimicro analysis of mixtures containing four radicals: Insoluble Materials: Al ₂ O ₃ (ig), Fe ₂ O ₃ (ig), Cr ₂ O ₃ (ig), SnO ₂ , SrSO ₄ , BaSO ₄ ,	CEMACOR03T: Secondary periodicity, Relativistic Effect, Inert pair effect. CEMACOR09T: Molecular shapes of noble gas compounds (VSEPR theory). CEMACOR13T: Reactions of organometallic complexes: insertion reactions. DSE T2: Separation techniques: Qualitative and quantitative aspects of chromatographic methods of analysis: IC, GLC, GPC, TLC and HPLC CEMGET2: Comparative study of O-S-Se-Te and F-Cl-Br-I CEMGET4: The Lithosphere: water and air in soil, waste
	Cr ₂ O ₃ (ig), SnO ₂ , SrSO ₄ , BaSO ₄ , CaF ₂ , PbSO ₄ . CEMGEP2: Inorganic Chemistry- LAB Qualitative semimicro analysis of mixtures containing three radicals.	matters and pollutants in soil, waste classification, treatment and disposal; soil pollution and control measures. CHEMCOR06 (PG SEM-II): applications of HMO to ethylene, butadiene and benzene, idea of self consistent field.
	CEMGEP4: To determine the solubility of a sparingly soluble salt, e.g. KHTa (one bottle). CHEMCOR13P: Brass (Cu, Zn);	Concept of resonance. CHEMCOR13T: use of the projection operator to form symmetry adapted linear combination (SALC) of simple system. CHEMCOR15T: Fourier synthesis, Patterson function,
	Bronze (Cu, Zn, Sn), Steel (Cr, Mn, Ni, P).	experimental diffraction methods (Laue method, rotating crystal method).
Week 18	Practice	Revision and Practice

Teaching Plan for Odd Semester, UG & PG course

Department of Chemistry Session (2020-21)

Class: B.Sc and M.Sc.

Semester: 2,4,6 Name of the Teacher: Rituparna Biswas

Subject: Chemistry

Paper: CEMACOR03 (UG SEM-II), CEMACOR09 (UG SEM-IV), CEMACOR13 (UG SEM-VI),

CHEMCOR06 (PG SEM-II) and CHEMCOR15 (PG SEM-IV)

		,
Sl No	Practical syllabus to be covered	Theory syllabus to be covered
Week 1	CEMACOR03P: Estimation of Fe(II)	CEMACOR03T: Solubility product principle
to week 4	using standardized KMnO ₄ solution	CEMACOR09T: Werner's theory of coordination complexes,
	CEMACOR09P: Complexometric	CEMACOR13T: Biological nitrogen fixation
	titration Zn(II)	CEMG04T: Composition and structure of the atmosphere;
	CHEMCOR15P: Determination of	troposphere, stratosphere, mesosphere and thermosphere; ozone
	composition of complexes formed in	layer and its role
	solution by spectrophotometric	CHEMCOR06T: Electronic configuration, oxidation states;
	methods:	aqueous, redox and complex chemistry, spectral and magnetic
	Mole-ratio method	properties of compounds in different oxidation states
		CHEMCOR15T: Magnetic susceptibility and its determination
		by Gouy and Faraday method.
Week 5	CEMACOR03P: Estimation of Fe(II)	CEMACOR03T: Common ion effect
to week 8	and Fe(III) in a given mixture using	CEMACOR09T: Classification of ligands, Ambidentate
	K2Cr2O7 solution.	ligands, chelates,
	CEMACOR09P: Zn(II) in a Zn(II)	CEMACOR13T: Photosynthesis: Photosystem-I and
	and Cu(II) mixture.	Photosystem-II.
	CHEMCOR15P: Determination of	CEMG04T: Problem of ozone layer depletion; green house
	composition of complexes formed in	effect; acid rain and photochemical smog
	solution by spectrophotometric	CHEMCOR06T: Ti-Zr-Hf, Cr-Mo-W, Mn-Tc-Re and Pt group
	methods:	metals
	Slope- ratio method	CHEMCOR15T: Diamagnetism in atoms and polyatomic
W 1.0	CENT CODAN	systems, Pascal's constants.
Week 9	CEMACOR03P:	CEMACOR03T: common ion effect and their applications
to Week	Estimation of Fe(III) and Mn(II) in a	CEMACOR09T: Coordination numbers, IUPAC nomenclature
12	mixture using standardized KMnO4	of coordination complexes
	solution CEMACOPORE Co(II) and Mc(II)	CEMACOR13T: Toxic metal ions and their effects
	. CEMACOR09P: Ca(II) and Mg(II) in a mixture.	CEMG04T: The Hydrosphere: environmental role of water, natural water sources, water treatment for industrial
	CHEMCOR15P: Determination of	CHEMCOR06T: Mixed valence compounds of Fe, Cu, Pt; Fe-
	composition of complexes formed in	S compounds,
	solution by spectrophotometric	CHEMCOR15T: Spin and orbital moments, spin-orbit
	methods:	coupling, Lande interval rule, energies of J states. Curie
	Job's method of continuous variation	equation, Curies law and Curie-Weiss law.
	soo s medica of continuous variation	equation, Curies law and Curie Welss law.
Week 13	CEMACOR03P:	CEMACOR03T: Redox potential diagram (Latimer and Frost
.,	Estimation of Fe(III) and Cu(II) in a	
	mixture using K2Cr2O7.	CEMACOR09T: Isomerism in coordination compounds,
	CEMACOR09P: Hardness of water.	constitutional and stereo isomerism,
	CHEMCOR15P: Determination of	CEMACOR13T: chelation therapy (examples only)
	the rates of consecutive aquation of	CEMG04T: Waste water treatment; chemical treatment and
	the complex,	microbial treatment;: DO, BOD, COD, TDS and hardness
	$H[Co(III)(DMGH)_2Cl_2],$ by	parameters reverse osmosis, electrodialysis.
	conductance method	CHEMCOR06T: thermochromism of Ni(II) compounds,
		Ru(II) and Ru(III) compounds
		CHEMCOR15T: First order and second order Zeeman effects,
		temperature independent paramagnetism, simplification and
		application of Van Vleck susceptibility equation.
Week13 to	week 14 Internal	Exam

Week 15	CEMACOR03P:	CEMACOR03T: Disproportionation and comproportionation
to 17	Estimation of Fe(III) and Cr(III) in a	reactions.
	mixture using K2Cr2O7.	CEMACOR09T: Geometrical and optical isomerism in square
	CEMACOR09P: Preparation of	planar and octahedral complexes.
	[Mn(acac)3] and Fe(acac)3] (acac=	CEMACOR13T: Pt and Au complexes as drugs, metal
	acetylacetonate)	dependent diseases
		CEMG04T: Soil, waste matters and pollutants in soil, waste
		classification, treatment and disposal; soil pollution and control
		measures.
		CHEMCOR06T: oxo compounds of Ru and Os,
		CHEMCOR15T: Quenching of magnetic moments, low spin-
		high spin crosser. Magnetic behaviour of Lanthanides and
		actinides.
Week 18	Practice	Revision

Teaching Plan for Odd Semester, UG & PG course

<u>Department of Microbiology</u>: <u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

Semester 1,3,5 (UG) & 1,3 (PG) Name of the Teacher: Dr. Abul Kalam

Subject: Microbiology

Paper: UG/PG Theory and Practical

Paper :	UG/PG Theory and Practical	
S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	UG 1 (CBCS): Paper – MCBCOR01P: Preparation of culture media: Complex media (Nutrient Broth, NA slant, NA stab, Lactose broth); chemically defined, synthetic media (Czapekdox broth / agar).	UG 1 (CBCS): Paper – MCBCOR1T: Binomial Nomenclature, Whittaker's five kingdom and Carl Woese's three kingdom classification systems and their utility. UG 3 (CBCS): Paper – MCBCOR 05T: Unit 4 Chemolithotrophic and Phototrophic Metabolism Introduction to aerobic and anaerobic chemolithotrophy with an example each.
		UG 5 (CBCS): MCBACOR11T Brief history and developments in industrial microbiology Sources of industrially important microbes and methods for their isolation, preservation and maintenance of industrial strains, strain improvement, PG Sem I: Paper 2: Maintenance & preservation of pure cultures, Enrichment culture techniques
		PG Sem III: paper 14 DSE 01 Bioethics: Biotechnology And Risk Ethical implications of cloning: Reproductive cloning, therapeutic cloning; Ethical, legal and socio-economic aspects of gene therapy,
Week 5 to week 8	UG 1 (CBCS): Paper – MCBCOR02P: Cultivation of microorganisms: on agar – slant /agar plate streak culture: Moulds (<i>Penicillium</i>	UG 1 (CBCS): Paper – MCBCOR01T: Difference between prokaryotic and eukaryotic microorganisms UG 3 (CBCS): Paper – MCBCOR 05T: Hydrogen oxidation (definition and reaction)
	notatum, Aspergillus niger	UG 5 (CBCS): MCBACOR11T Crude and synthetic media; molasses, corn- steep liquor, sulphite waste liquor, whey, yeast extract and protein hydrolysates
		PG Sem I: Paper 2: Microbial Systematics: General account of systematics, Classification and nomenclature; Classification systems-artificial or phonetic,
		PG Sem III: Paper 14 DSE 01 Introduction to intellectual property and intellectual property rights – types: patents, copy rights, trade marks, design rights, geographical indications –
Week 9 to Week 12	UG 3 (CBCS): MCBACOR06P Study a representative plant (Allium cepa or any other suitable plant material) Study of different stages of Mitosis.	UG 1 (CBCS): Paper – MCBCOR01T: Aim and principles of classification, systematics and taxonomy, concept of species, taxa, strain; UG 3 (CBCS): Paper – MCBCOR 05T: Methanogenesis (definition and reaction)
		UG 5 (CBCS): MCBACOR11T Types of fermentation processes - Solid-state and liquid-state (stationary and submerged) fermentations; batch, fed-batch (eg. baker's reast) and continuous fermentations PG Sem I: Paper 2: natural and phylogenetic; Species concept;

		monophyletic, paraphyletic, polyphyletic; Molecular taxonomy,
		Molecular phylogeny, Molecular chronometers;
		PG Sem III : Paper 14 DSE 01 importance of IPR – patentable and
		non patentable – patenting life
Week 13	UG 3 (CBCS): MCBACOR06P Study a representative plant (Allium cepa or any other suitable plant material) Study of different stages of Meiosis.	UG 1 (CBCS): Paper – MCBCOR01T: Conventional, molecular and recent approaches to polyphasic bacterial taxonomy, evolutionary chronometers, UG 3 (CBCS): Paper – Revision UG 5 (CBCS): MCBACOR11T Components of a typical bioeactor,
		PG Sem I: Paper 2: Polyphasic taxonomy, Numerical taxonomy, Describing a new Prokaryotic species,
		PG Sem III : Paper 14 DSE 01 legal protection of biotechnological inventions – world intellectual property rights organization (WIPO) . Establishment and functions of General Agreement on Trade and Tariff (GATT) and World Trade Organizations
Week13	to week 14 In	ternal Exam
Week 15 to 17		UG 1 (CBCS): Paper – MCBCOR01T: , rRNA oligonucleotide sequencing, signature sequences, and protein sequences. UG 3 (CBCS): Paper – Revision UG 5 (CBCS): MCBACOR11T Revision
		PG Sem I: Paper 2: Valid publication of names of bacterial taxa,
		Culture collection.
		PG Sem III: Indian Patent Act, 1970 and its amendments.
Week 18	Revision, Practice	Revision

Teaching Plan for even Semester, UG/PG course

<u>Department of Microbiology</u> <u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

Semester 2,4,6 (UG) & 2,4 (PG) Name of the Teacher: Dr. Abul Kalam

Subject: Microbiology

Paper : UG & PG Theory and Practical

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	UG 2 (CBCS): Paper MCBCOR04P: Isolation of microbes (bacteria & fungi) from soil.	UG 2 (CBCS): Paper MCBCOR04T: Waste Management: Solid Waste management: Sources and types of solid waste, UG 4 (CBCS): MCBACOR10T: Intrinsic and extrinsic factors that affect growth and survival of microbes in foods, natural flora and source of contamination of foods in general UG 6 (CBCS): MCBACOR DSE 05T Concept of IPR, Designs, trademarks, trade secrets, domain names, geographical indications, copyright, Evolution of patent laws, hist ory of Indian patent system, Agreements and Treaties: GATT, TRIPS Agreements. PG Sem II: Paper 10: Aeromicrobiology: Microbes of indoor and outdoor environment, pathways, numeration,

		PG Sem IV: Paper 16 Bioterrorism and Bioweapons: Introduction to Bioterrorism and
		Bioweapons, Pathogenic microorganisms used for these purpose
		and their properties, Infectious agents and their epidemiology
Week 5 to week 8	UG 4 (CBCS): MCBACOR10P: MBRT of milk samples and their standard plate count.	UG 2 (CBCS): Paper MCBCOR 04T: Methods of solid waste disposal (composting and sanitary landfill) UG 4 (CBCS): MCBACOR10T: Principles, physical methods of food preservation: temperature (low, high, canning, drying), irradiation, hydrostatic pressure, high voltage pulse, microwave processing and aseptic packaging, chemical methods of food preservation: salt, sugar, organic acids,.
		UG 6 (CBCS): MCBACOR DSE 05T Role of Madrid Agreement; Hague Agreement; WIPO Treaties; Budapest Treaty on international recognition of the deposit of microorganisms; UPOV & Brene conventions; Patent Cooperation Treaty (PCT); Indian Patent Act 1970 & recent amendments. Classification of patents in India, PG Sem II: Paper 10: Extramural and intramural, control, pioterrorism. Eutrophication,
		PG Sem IV: Paper 17: Fermentation: an overview, isolation, screening and selection of industrially important microorganisms
Week 9 to Week 12	UG 4 (CBCS): MCBACOR10P: Alkaline phosphatase test to check the efficiency of pasteurization of milk. 1. Isolation of any food borne bacteria from food	UG 2 (CBCS): Paper – MCBCOR04T: Liquid waste management: Composition and strength of sewage UG 4 (CBCS): MCBACOR10T: Irradiation, hydrostatic pressure, high voltage pulse, microwave processing and aseptic packaging, chemical methods of food preservation: salt, sugar, organic acids,. UG 6 (CBCS): MCBACOR DSE 05T
	products.	Classification of patents by WIPO, categories of patent, special patents, patenting biological products, Patentable inventions in India and abroad, non patentable inventions in India and abroad, Rights of patent holder and co-owners, transfer of patent rights, limitations of patent rights, PGSem II: Paper 10: Waste Management: Biomass waste management of plant's residues: Lignocellulolytic microorganisms,
		PG Sem IV : Paper 17: strain improvement for industrial purposes, use of recombinant DNA technology,
Week 13	UG 4 (CBCS): MCBACOR10P: Isolation of any food borne bacteria from food products. Mock Viva-voce from the practical	UG 2 (CBCS): Paper – MCBCOR04T: Primary, secondary (oxidation ponds, trickling filter, activated sludge process and septic tank) and tertiary sewage treatment Revision UG 4 (CBCS): MCBACOR10T: Chemical methods of food preservation: salt, sugar, organic acids.
		UG 6 (CBCS): MCBACOR DSE 05T
		Patent and economy, patent management, patent growth, patenting of life forms, biodiversity and IPR, Study of famous case study between Diamond and Chakraborty PG Sem II: Paper 10: enzymes and their biotechnological applications in: (i) biopulping, (ii) biobleaching, (iii) textiles (iv) biofules, (v) animal feed production. PG Sem IV : Paper17: Bioreactors: Design and components of basic fermentor
Week 13	to week 14 In	ternal Exam
Week 15 to 17		UG 2 (CBCS): Paper – MCBCOR04T: Solid Waste management: Revision UG 4 (CBCS): MCBACOR10T: Revision

		UG 6 (CBCS): MCBACOR DSE 05T Revision
		PG Sem II: Paper 10: Revision PG Sem IV: Revision
Week 18	Mock Viva-voce from the practical	Revision

Teaching Plan for Odd Semester, UG & PG course

Department of Microbiology: Session (2020-21)

Class: B.Sc/M.Sc.

Semester 1,3,5 (UG) & 1,3 (PG) Name of the Teacher: Dr. Sandip Bandopadhyay

Subject: Microbiology

Paper: UG/PG Theory and Practical (ONLINE)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	PG Sem III: Paper 15: Biostatistics: 1. Measures of central tendency: mean, median, mode 2. Measures of Dispersion: MD, SD 3. Measures of statistical errors	UG 1 (CBCS): Paper – MCBCOR02T: Bacterial growth, phases of growth, kinetics & Numerical problems UG III (CBCS): MCBCOR05T: Fermentative pathways: homolactate, hetero-lactate fermentaion UG V(CBCS): PaperMCBDSE02T:Reaction kinetics, enzyme kinetics PG Sem I: Paper 2: Bacterial growth, phases of growth, kinetics & Numerical problems PG Sem III: paper 13- RDT: restriction & modification enzymes
Week 5 to week 8	PG Sem III: Paper 15: Biostatistics: 4. Concept of bi-variate data: correlation, calculation of correlation co-efficient 5. Analysis of regression	UG 1 (CBCS): Paper – MCBCOR02T: physical factors affecting growth: pH, temperature, pressure, O2 & CO2 concentration etc. UG III: MCBCOR05T: Mixed acid & Alcohol fermentation pathways UG V(CBCS): PaperMCBDSE02T: Free energy, Radioactivity PG Sem I: Paper 2: Physical factors affecting on microbial growth PG Sem III: Paper 13: Ligation: E. coli & T4 DNA ligase, cloning
Week 9 to Week 12	PG Sem III: Paper 15: Biostatistics: 6. one-tail t-test 7. chi square test 8. concept of probability, degrees of freedom	UG 1 (CBCS): Paper – MCBCOR02T: Chemical factors of growth: Acid, alkali, salt, detergent, alcohol, heavy metals etc. UG III: MCBCOR05T: Fermentative pathways: Revision UG V(CBCS): PaperMCBDSE02T: Biomath: PH & buffer, bacterial growth, D-value PG Sem I: Paper 2: Chemical factors affecting on microbial growth PG Sem III: paper 13: enzymes: TdT, Taq pol., pfu Pol, S1 nuclease
Week 13	UG III: MCBCOR05P: Demonstration of Alcohol fermentation using <i>Saccharomyces</i> <i>cerevisiae</i>	UG 1 (CBCS): Paper – MCBCOR02T: Batch & continuous culture: Chemostat & turbidostat UG III: MCBCOR05T: Fermentative pathways: Question-answer discussion of previous University exams UG V(CBCS): PaperMCBDSE02T: Biostat: standard error, t-test PG Sem I: Paper 2: Batch & continuous culture: chemostat PG Sem III: paper 13: genomic & pDNA: Isolation & purification
Week13	3 to week 14	Internal Exam
Week 15 to 17	UG V(CBCS): PaperMCBDSE02P: Biostatistics 1. Demonstration of t-test	UG 1 (CBCS): Paper – MCBCOR02T: methods of growth measurement: turbidimetric, plate count, membrane filter etc. UG III: MCBCOR05T: Fermentative pathways: Question-answer

	2. Demonstration of chi square test	discussion of previous University exams UG V(CBCS): PaperMCBDSE02T: Biostat: chi square test,
		correlation, regression, probability
		PG Sem I: Paper 2: Numerical problems on bacterial growth
		PG Sem III: paper 13: RNA & protein: Isolation & purification
Week 18	Revision, Practice	Revision

Teaching Plan for even Semester, UG/PG course

Department of Microbiology Session (2020-21)

Class: B.Sc/M.Sc.

Semester 2,4,6 (UG) & 2,4 (PG) Name of the Teacher: Dr. Sandip Bandopadhyay

Subject: Microbiology

Paper: UG & PG Theory and Practical (Online)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
5. 110	(Paper code to be mentioned)	mentioned)
Week 1	UG 2 (CBCS): Paper MCBCOR03P:	UG 2 (CBCS): Paper MCBCOR03T: Acid, base, pH, buffer: concept
to week 4	Laboratory preparation of buffers:	UG 4 (CBCS): Paper MCBSEC: Water microbiology: coliforms,
to week 4	numerical calculations	properties, types, waterborne pathogens
		UG 6: Paper MCBCOR14T: RDT: Restriction & modification.
		ligation: T4 DNA ligase, E coli DNA ligase, homopolymer tailing
		PG Sem II: Paper 9: Chromatography: ion-exchange, gel filtration
		PG Sem IV : Paper17:Fermentation: penicillin, streptomycin, VitB ₁₂
Week 5 to	PG Sem IV: Paper 17: Fermentative	UG 2 (CBCS): PaperMCBCOR03T: Numerical problems: pH ,buffers
week 8	production of Alcohol	UG 4 (CBCS): Paper MCBSEC: Water microbiology: MPN test,
WCCK	Production 017 Hoons	presumptive, confirmed & completed test
		UG 6: Paper MCBCOR14T: RDT: Vectors: mechanism & types
		PG Sem II: Paper 7: Chromatography: affinity, HPLC, GLC
		PG Sem IV : Paper 17: Fermentation: lactic acid, citric acid, vinegar
Week 9 to		UG 2 (CBCS): Paper - MCBCOR03T: Polyprotic acids & its
Week 12		Numerical problems
		UG 4 (CBCS): Paper MCBSEC: Water microbiology: IMViC test
		UG 6: Paper MCBCOR14T: RDT: Mod vectors: HAC, BAC, PAC, YAC
		PG Sem II: Paper 7: Chromatography: affinity, HPLC, GLC
		PG Sem IV : Paper 17: Fermented food: curd, yogurt, cheese, tofu
Week 13		UG 2 (CBCS): Paper – MCBCOR03T: Revision
		UG 4 (CBCS): Paper MCBSEC: Water microbiology: Revision
		UG 6: Paper MCBCOR14T: RDT: Cloning: blue-white screening
		PG Sem II: Paper 7: Chromatography: paper chromatography, TLC
		PG Sem IV : Paper17:bread, pickles, dosa, sauerkraut fermentation
Week 13 to week 14		Internal Exam
Week 15	Mock Viva-voce from the practical	UG 2 (CBCS): Paper – MCBCOR03T: titration curve, isoelectic pH
to 17		UG 4 (CBCS): Paper MCBSEC: Water microbiology: Purification of
		water: sedimentation, filtration, UV, RO, bleaching etc.
		UG 6: Paper MCBCOR14T: RDT: properties of expression vectors
		PG Sem II: Paper 7: Chromatography: Revision
		PG Sem IV: Paper17: Probiotics, SCP, mushroom production
Week 18	Revision, Practice	Revision

Teaching Planfor Odd Semester, UG & PG courses

Department of Microbiology

Session (2020-21)

Class: B.Sc/M.Sc.

UG Semester 1,3,5, PG 1 and PG 3 Name of the Teacher: Dr. Rini Roy

Subject: Microbiology

Paper: cc1, cc3 and cc12, PG Paper 1 and paper 11 (Theory and Practical) Mode: Online

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	UG3 (CBCS)Paper MCBACOR05P: Microbial Physiology and Metabolism 1. Effect of temperature on growth of <i>E. coli</i> 2. Effect of pH on growth of <i>E. coli</i> 3. Effect of carbon and nitrogen sources on the growth of <i>E. coli</i>	UG 1 (CBCS) Paper MCBACOR01T: Unit 1 History of Development and scope of Microbiology No. of Hours: 8 Development of Microbiology as a discipline, spontaneous generation vs. biogenesis. Contributions of Anton von Leeuwenhoek, Louis Pasteur, Robert Koch, Joseph Lister, Alexander Fleming Role of microorganisms in fermentation, Germ theory of disease UG 3 (CBCS) Paper MCBHGEC03T/ MCBGCOR03T (For
	sources on the grown of L. con	General Students): Unit 1: Structures of DNA and RNA / Genetic Material DNA structure, Salient features of double helix, Types of DNA, denaturation and renaturation, topoisomerases; Organization of DNA in Prokaryotes.
		UG3 (CBCS) Paper MCBACOR05T: Microbial Physiology and Metabolism: EMP, ED, Pentose phosphate pathway TCA cycle
		UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 1 Introduction: Concept of Innate and Adaptive Immunity
		PG1: Paper 1: Biomolecules & Enzymology: Carbohydrates
		PG 3: Paper 11: Immunology: Anatomic barriers, Physiologic barriers, Phagocytic/endocytic barriers, inflammatory barriers.
Week 5 to week 8	UG3 (CBCS)Paper MCBACOR05P:: Microbial Physiology and Metabolism 4. Effect of salt on growth of E. coli 5. Demonstration of alcoholic fermentation	UG 1 (CBCS) Paper MCBACOR01T: Development of various microbiological techniques and golden era of microbiology, Development of the field of soil microbiology: Contributions of Martinus W. Beijerinck, Sergei N. Winogradsky, Selman A.Waksman, Establishment of fields of medical microbiology and immunology through the work of Paul Ehrlich, Elie Metchnikoff, Edward Jenner
		UG 3 (CBCS) Paper MCBACOR05T: Electron transport chain: components of the respiratory chain, comparison of mitochondrial and bacterial ETC, electron transport phosphorylation, uncouplers and inhibitors

Week 9 to Week 12	UG3 (CBCS)Paper MCBACOR05P:: Practical write- up given to students.	UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 1 Introduction Concept of Innate and Adaptive immunity; Contributions of following scientists to the development of the field of immunology - Edward Jenner, Karl Landsteiner, Robert Koch, Paul Ehrlich, Elie Metchnikoff, Peter Medawar, MacFarlane Burnet, Neils K Jerne, Rodney Porter and Susumu Tonegawa PG1: Paper 1: Biomolecules & Enzymology: Enzymes: Nature of enzyme: protein and non-protein, co-factor & prosthetic group, apoenzyme & holoenzyme, IUB classification, active site, cofactors, coenzymes and prosthetic groups, activation energy and transition state, catalytic efficiency, activity, specific activity and turnover no. Principles of Enzyme kinetics: Michaelis-Menten Equation, Significance of K _m and V _{max} , Determination of K _m and V _{max} , Double reciprocal Plot, Eadie- Hofstee plot PG 3: Paper 11: Immunology: Cytokines: Properties of Cytokines; Cytokine Receptors; UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 3 Antigens Characteristics of an antigen (Foreignness, Molecular size and Heterogeneity); Haptens; Epitopes (T& B cell epitopes); T-dependent and T-independent antigens; Adjuvants
		PG1: Paper 1: Biomolecules & Enzymology: two substrate kinetics- single and double displacement reaction (Ping Pong, Bi-Bi reaction), three substrate kinetics, Ligand binding studies, Effect of temperature, pH and Inhibitors (Reversible Inhibition: competitive, un-competitive and non-competitive and Irreversible Inhibition), PG 3: Paper 11: Immunology: Cytokines: Cytokine Antagonists; Cytokine Secretion by TH1 and TH2 Subsets; Cytokine-Related Diseases; Therapeutic Uses of Cytokines and
Week 13	Practical copywriting completion	Their Receptors; Cytokines in Hematopoiesis. UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 6 Complement System: Components of the Complement system; Activation pathways (Classical, Alternative and Lectin pathways); Biological consequences of complement Activation PG1: Paper 1: Biomolecules & Enzymology: Allosteric Enzymes and Feedback Inhibition
Week13	to Week 14	nternal Exam
		DC1. Donor 1. Diomologylog & Engymology, Isogymos
Week 15	UG 3 (CBCS) Paper	PG1: Paper 1: Biomolecules & Enzymology: Isozymes,
Week 15 to 17	UG 3 (CBCS) Paper MCBACOR05P: Microbial Physiology and Metabolism Practical copy checking	Abzymes. Regulation of enzymes. Industrial application of several enzymes. Ribozymes Class tests and question-answer discussion

Teaching Planfor even Semester, UG & PG courses

Department of Microbiology

Session (2020-2021)

Class:B.Sc/M.Sc.

Semester 2,4,6 (UG) and PG 2 and PG 4 Name of the Teacher: Dr. Rini Roy

Subject: Microbiology

Paper: cc3, Sec02, cc 13 and DSE 06 (UG), PG Paper 6 and Paper 16 (Theory and Practical)

Mode: Online

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1 to week 4	UG 2 (CBCS) Paper MCBACOR03P: Biochemistry: 1. Preparation of buffers and numerical problems to explain the concepts 2. Qualitative/Quantitative tests for carbohydrates, reducing sugars, non reducing sugars	UG 2 (CBCS) Paper MCBACOR03T: Unit2Carbohydrates: Families of monosaccharides: aldoses and ketoses, trioses, tetroses, pentoses, and hexoses. Stereo isomerism of monosaccharides, epimers, Mutarotation and anomers of glucose. Furanose and pyranose forms of glucose and fructose, Haworth projection formulae for glucose; chair and boat forms of glucose, Sugar derivatives, glucosamine, galactosamine, muramic acid, N- acetyl neuraminic acid
		UG 6 (CBCS) Paper MCBACOR13T: Medical Microbiology Unit 3 Bacterial diseases: Helicobacter pylori Others: Staphylococcus aureus, Bacillus anthracis, Clostridium tetani UG 4 (CBCS) Paper MCBSSEC02M: Microbiological analysis of air and water: Unit 1: Aeromicrobiology: Bioaerosols, Air borne microorganisms (bacteria, Viruses, fungi) and their impact on human health and environment, significance in food and pharma industries and operation theatres, allergens PG 2: Paper 6: Metabolism & Bioenergetics: Catabolism and Anabolism, Glycolysis: Fate of pyruvate under aerobic and anaerobic conditions. Pentose phosphate pathway and its significance, Gluconeogenesis
Week 5 to week 8	UG 2 (CBCS) Paper MCBACOR03P: Biochemistry: Study of enzyme kinetics — calculation of Vmax, Km, Kcatvalues	UG 2 (CBCS) Paper MCBACOR03T: Unit2Carbohydrates: Disaccharides; concept of reducing and non-reducing sugars, occurrence and Haworth projections of maltose, lactose, and sucrose, Polysaccharides, storage polysaccharides, starch and glycogen. Structural Polysaccharides, cellulose, peptidoglycan and chitin Unit4Proteins: Functions of proteins, Primary structures of proteins: Amino acids, the building blocks of proteins. General formula of amino acid and concept of zwitterion. UG 4 (CBCS) Paper MCBSSEC02M: Microbiological analysis of air and water: Unit 2 Air Sample Collection and Analysis: Bioaerosol sampling, air samplers, methods of analysis, CFU, culture media for bacteria and fungi, Identification characteristics

		UG 6 (CBCS) Paper MCBADSE06T: Instrumentation and Biotechniques Principles and applications of paper chromatography (including Descending and 2-D), Thin layer chromatography. Column packing and fraction collection, Gel filtration chromatography PG 2: Paper 6: Metabolism & Bioenergetics: Glycogenolysis and glycogen synthesis.TCA cycle, Entner-Doudoroff pathaway, phosphoketolase pathway. Microbial Metabolism: Elementary Microbial nutrition, mode of uptake of nutrient
Week 9 to Week 12	UG 2 (CBCS) Paper MCBACOR03P: Biochemistry: Formol titration ofglycine	UG 2 (CBCS) Paper MCBACOR03T: Unit 5. Enzymes: Structure of enzyme: Apoenzyme and cofactors, prosthetic group-TPP, coenzyme NAD, metal cofactors, Classification of enzymes, Mechanism of action of enzymes: active site, transition state complex and activation energy. Lock and key hypothesis, and Induced Fit hypothesis. UG 4 (CBCS) Paper MCBSSEC02M: Microbiological analysis of air and water: Unit 3 Control Measures: Fate of bioaerosols, inactivation mechanisms – UV light, HEPA filters, desiccation, Incineration UG 6 (CBCS) Paper MCBADSE06T: Instrumentation and Biotechniques: Unit 2 Chromatography: ion-exchange chromatography and affinity chromatography, GLC, HPLC. PG 4: Paper 16: Medical Microbiology: Human diseases:
Week 13	UG 6 (CBCS) Paper MCBADSE06P: Instrumentation and Biotechniques: Separation of amino acid mixtures by thin-layer chromatography.	Staphylococcus, Streptococcus, Gastritis (Helicobacter pylori), clostridium, Chlamydia UG 2 (CBCS) Paper MCBACOR03T: Unit 5. Enzymes: Significance of hyperbolic, double reciprocal plots of enzyme activity, Km, and Definitions of terms – enzyme unit, specific activity and turnover number, UG 6 (CBCS) Paper MCBADSE06T: Unit5Centrifugation: Preparative and analytical centrifugation, fixed angle and swinging bucket rotors. RCF and sedimentation coefficient Paper C etc:
Week 1	3 to week 14	Internal Exam
Week 15 to 17	UG 6 (CBCS) Paper MCBADSE06P: Instrumentation and Biotechniques: Separation of protein mixtures by any form of chromatography.	UG 2 (CBCS) Paper MCBACOR03T: Unit 5. Enzymes: allosteric mechanism, Multienzyme complex :pyruvate dehydrogenase; isozyme: lactate dehydrogenase, Effect of pH and temperature on enzymeactivity. Enzyme inhibition: competitive- sulfa drugs; non-competitive-heavy metal salts UG 6 (CBCS) Paper MCBADSE06T: Unit5Centrifugation: differential centrifugation, density gradient centrifugation and ultracentrifugation PG 2: Paper 6: Nucleotide Metabolism: Biosynthesis of purine & pyrimidine (de novo & salvage pathways); degradation of purine & pyrimidine.

Week 18	Revision, Practise and copy	Revision, class tests
	checking	

Teaching Plan for Odd Semester, UG & PG course

<u>Department of Microbiology</u>: <u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

Semester 1,3,5 (UG) & 1,3 (PG) Name of the Teacher: Dr. Upal Das Ghosh

Subject: Microbiology

Paper: UG/PG Theory and Practical (ONLINE)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	PG Sem III: Paper 15: Bioinformatics: Basic concept, Sequence alignment	UG 1 (CBCS): Paper – MCBCOR02T: Staining UG 3 (CBCS): MCBCOR07T: MCBCOR07T: DNA structure, Penaturation, Renaturation, topology UG V(CBCS): PaperMCBDSE02T:Frequency distribution PG Sem I: Paper 1: DNA structure, DNA denaturation PG Sem III: paper 12- Genetics: Transformation, Conjugation, ransduction
Week 5 to week 8	PG Sem III: Paper 15: Bioinformatics: Phylogenetic tree preperation	UG 1 (CBCS): Paper – MCBCOR02T: physical factors affecting growth: pH, temperature, pressure, O2 & CO2 concentration etc. UG III: MCBCOR07T DNA Replication

Week 18	Revision, Practice	Revision
		PG Sem III: paper 12- Genetics: Transposon
		PG Sem I: Paper 1: Revision
to 17		UG V(CBCS): PaperMCBDSE03T: Extrachromosomal DNA
Week 15		UG III: MCBCOR05T: UG III: MCBCOR07T: Revision
Week1.	3 to week 14	Internal Exam
	and deviation	
	2. Measures of central tendency	PG Sem III: paper 12: Recombination in DNA
	1. Frequency Distribution	PG Sem I: Paper 1: Gene mapping deploid system
	Biostatistics	UG V(CBCS): PaperMCBDSE03T: Mendelian Genetics
Week 13	UG V(CBCS): PaperMCBDSE02P:	UG III: MCBCOR07T: RNA processing
		PG Sem III: paper 12- Genetics: DNA repair
		PG Sem I: Paper 1: Gene mapping haploid system
	electrophoresis	pispersion
Week 12	isolation, Agarose gel	UG V(CBCS): PaperMCBDSE02T: Measures of Central tendency &
Week 9 to	UG III: MCBCOR07P: Genomic DNA	UG III: MCBCOR07T: Transcription
		PG Sem III: paper 12- Genetics: Mutation
		PG Sem I: Paper 1: DNA topology
		UG V(CBCS): PaperMCBDSE02T: Frequency distribution

Teaching Plan for even Semester, UG/PG course

Department of Microbiology Session (2020-21)

Class: B.Sc/M.Sc.

Semester 2,4,6 (UG) & 2,4 (PG) Name of the Teacher: Dr. Upal Das Ghosh

Subject: Microbiology

Paper: UG & PG Theory and Practical (Online)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1	UG 4 (CBCS): Paper MCBCOR08P:	UG 4 (CBCS): Paper MCBCOR09T: Virology general concept
to week 4	Plasmid DNA isolation, Agarose gel	UG 6: Paper MCBCOR14T: RDT: PCR general idea
	electrophoresis	PG Sem II: Paper 7: Proteomics
	UG 6 (CBCS): PCR	PG Sem IV: Paper18:Virology: Viral vectors
Week 5 to	PG Sem II: Paper 9: Molecular	UG 4 (CBCS): Paper MCBCOR09T: Lambda, T4 phage genetics
week 8	Biology Practical: Genomic DNA	UG 6: Paper MCBCOR14T: RT PCR
	isolation, RFLP	PG Sem II: Paper 8: Replication
	UG 6 (CBCS): RE digestion	PG Sem IV: Paper18:Virology: Viral vectors
Week 9 to	UG 4 (CBCS): Paper MCBCOR08P:	UG 4 (CBCS): Paper MCBCOR08T: Transformation, Transduction
Week 12	Bacterial Conjugation	UG 6: Paper MCBCOR14T: RDT: Mod vectors: HAC, BAC, PAC, YAC
	UG 6 (CBCS): Transformation	PG Sem II: Paper 8: Transcription
		PG Sem IV: Paper18:Virology: Cancer

Week 13	PG Sem II: Paper 9: Molecular	UG 4 (CBCS): Paper MCBCOR08T: Plasmid, conjugation
	Biology Practical: Cloning, RE	UG 6: Paper MCBCOR14T: Real Time PCR
	Digestion	PG Sem II: Paper 8: RNA processing
		PG Sem IV: Paper18:Virology: Cancer
Week 13 to week 14		Internal Exam
Week 15	Mock Viva-voce from the practical	UG 4 (CBCS): Paper MCBCOR08T: Revision
to 17		UG 6: Paper MCBCOR13T: Viral pathogens
		PG Sem II: Paper 8: Protein Synthesis
		PG Sem IV: Paper18:Virology: Revision
Week 18	Revision, Practice	Revision

Teaching Plan for Odd Semester, UG,PG course

Department of Microbiology

Session (2020-21)

Class:B.Sc/M.Sc.

Semester 1,3,5 (UG), PG1,3

Name of the Teacher: Parama Das Gupta

Subject: Microbiology

Paper:UG& PG. (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	UG Sem I (CBCS:)Core Paper :MCBACOR01P,Introduction to microbiology and microbial diversity: Study of instruments, Media Preparation, Sterilization UG Sem V (CBCS):Core Paper :MCBACOR11P: Industrial Microbiology PG Sem I Paper 5: Microbiology and Molecular Biology	UG Sem I (CBCS) Core Paper: MCBACOR02T, Bacteriological Techniques UG Sem III (CBCS)Core Paper: MCBACOR05T,Phototrophic Metabolism UG Sem V (CBCS) Core Paper: MCBACOR11T, Microbial Production of Industrial Products PG Sem I Paper 2: Diversity of Prokaryotic and Eukaryotic Microbes: Bacteria with special features PG Sem III Paper 14 DSE 1: Bioethics: GM foods

Week 18	Revision, Practise	Revision
Week 15 to 17	Core Paper : MCBACOR02P, Bacteriology: Pure Culture Techniques PG Sem I Paper 5: Microbiology and Molecular Biology	UG Sem I (CBCS) Core Paper :MCBACOR02T, Important archeal and eubacterial groups :Cyanobacteria UG Sem III (CBCS): SEC Paper :MCBSSEC001, Probiotics UG Sem V(CBCS): DSE Paper:MCBADES03T, Inheritance biology: Human genetics PG Sem I Paper 2 :Diversity of Prokaryotic and Eukaryotic Microbes: Protozoa PG Sem III: GEC Paper: Microbes in sustainable development
Week13	to week 14	Internal Exam
Week 13	Paper A: MCBACOR02P, Bacteriology: Pure Culture Techniques MCBACOR11P: Mock Viva voce for practical examination PG Sem I Paper 5: Microbiology and Molecular Biology	UG Sem I (CBCS) Core Paper :MCBACOR02T, Important archeal and eubacterial groups: Actinobacteria UG Sem III (CBCS): SEC Paper :MCBSSEC001, Probiotics UG Sem V(CBCS): DSE Paper:MCBADES03T, Inheritance biology: Human genetics PG Sem I: PG Sem I Paper AECC Laboratory Safety Measures: Different Laboratory Hazards: Biological Hazards PG Sem III: GEC Paper: Microbes in sustainable development
Week 9 to Week 12	UG Sem I (CBCS) Paper :MCBACOR02P, Bacteriology: Bacterial Staining UG Sem V (CBCS)Paper MCBACOR11P: Mock Viva voce for practical examination PG Sem I Paper 5: Microbiology and Molecular Biology	UG Sem I (CBCS) Core Paper :MCBACOR02T, Important archeal and eubacterial groups: Firmicutes UG Sem III (CBCS)Core Paper : MCBACOR05T,Phototrophic Metabolism UG Sem V (CBCS) Core Paper :MCBACOR11T, Microbial Production of Industrial Products PG Sem I: PG Sem I Paper 2 : Diversity of Prokaryotic and Eukaryotic Microbes: Bacteria with special features PG Sem III: GEC Paper: Microbes in sustainable development
Week 5 to week 8	UG Sem I (CBCS):Core Paper :MCBACOR01P, Introduction to microbiology and microbial diversity: Fungal Cultivation, fungal staining UG Sem V (CBCS) Core Paper: MCBACOR11P, Industrial Microbiology PG Sem I Paper 5: Microbiology and Molecular Biology	UG Sem I (CBCS) Core Paper: MCBACOR02T, Bacteriological Techniques UG Sem III (CBCS)Core Paper: MCBACOR05T,Phototrophic Metabolism UG Sem V (CBCS) Core Paper:MCBACOR11T, Microbial Production of Industrial Products PG Sem I Paper2: Diversity of Prokaryotic and Eukaryotic Microbes: Bacteria with special features PG Sem III Paper 14 DSE 1: Bioethics: GM foods

Teaching Plan for Odd Semester, UG & PG course

Department of Microbiology: Session (2020-21)

Class: B.Sc/M.Sc.

Semester 1,3,5 (UG) & 1,3 (PG) Name of the Teacher: Dr. Sudipta Chakraborty

Subject: Microbiology

Paper: UG/PG Theory and Practical (ONLINE)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	UG 1 (CBCS): Paper – MCBCOR01P:	UG 1 (CBCS): Paper – MCBCOR02T: Bacterial morphology,
to week 4	Microbiological instruments and	Proteobacteria, Archaebacteria.
	their functions, fungal staining	Part II (UG): Paper –V: Oxadative phosphorylation,
	, ,	Thermodynamics
		Part III (UG): Paper –V: Transposons & its mechanism, TN family
		PG Sem I: Paper 2: Bacterial morphology, Quoram sensing
		PG Sem III: paper 13- RDT vectors, CRISPR-Cas
Week 5 to	UG 1 (CBCS): Paper – MCBCOR02P:	UG 1 (CBCS): Paper – MCBCOR02T: physical factors affecting
week 8	Biochemical assay of protein	growth: pH, temperature, pressure, O2 & CO2 concentration etc.
	carbohydrate lipids, Quantitative	Part II (UG): Paper – VI: Cellsignalling, Intracellular Trafficking
	analysis of proteins	Part III (UG): Paper –V: RDT: restriction & modification enzymes
		PG Sem I: Paper 2: Physical factors affecting on microbial growth
		PG Sem III: Paper 13: Ligation: E. coli & T4 DNA ligase, cloning
Week 9 to	•	UG 1 (CBCS): Paper – MCBCOR02T: Chemical factors of growth:
Week 12	1. Measures of central tendency:	Acid, alkali, salt, detergent, alcohol, heavy metals etc.
	mean, median, mode	Part II (UG): Paper – IV: Water Microbiology: detailed mechanism
	2. Measures of Dispersion: MD, SD	of IMViC test, potability of water
	3. Measures of statistical errors	Part III (UG): Paper –V: RDT: types & mechanism of vectors
		PG Sem I: Paper 3: Spectroscopy, NMR, ESR, Fluorescence
		epectrosopy, SPR, Mass Spectroscopy
W. 1.10	200 111 20 115 21 115 115	PG Sem III: paper 13: enzymes: TdT, Taq pol., pfu Pol, S1 nuclease
Week 13	PG Sem III: Paper 15: Biostatistics:	UG 1 (CBCS): Paper – MCBCOR02T: Batch & continuous culture: Chemostat & turbidostat
	4. Concept of bi-variate data: correlation, calculation of	Part II (UG): Paper – IV: Water Microbiology: Purification of
	correlation, calculation of	sewage water: trickling filter, oxidation pond etc
	5. Analysis of regression	Part III (UG): Paper –V: RDT: mechanism & types of PCR
	3. Analysis of regression	PG Sem I: Paper 2: Batch & continuous culture: chemostat
		PG Sem III: paper 13: genomic & pDNA: Isolation & purification
Week13	3 to week 14	Internal Exam
Week 15	PG Sem III: Paper 15: Biostatistics:	UG 1 (CBCS): Paper – MCBCOR02T: methods of growth
to 17	6. one-tail t-test	measurement: turbidimetric, plate count, membrane filter etc.
	7. chi square test	Part II (UG): Paper – IV: Water Microbiology: Purification of
	8. concept of probability, degrees	drinking water: sedimentation, filtration, bleaching, RO etc.
	of freedom	Part III (UG): Paper :V: RDT: genomic & cDNA library construction
		PG Sem I: Paper 2: Numerical problems on bacterial growth
		PG Sem III: paper 13: RNA & protein: Isolation & purification
Week 18	Revision, Practice	Revision

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALT LAKE, KOLKATA

Teaching Plan for even Semester, UG/PG course

Department of Microbiology Session (2020-21)

Class: B.Sc/M.Sc.

Semester 2,4,6 (UG) & 2,4 (PG) Name of the Teacher: Dr. Sudipta Chakraborty

Subject: Microbiology

Paper: UG & PG Theory and Practical (Online)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be mentioned)
Week 1	(Paper code to be mentioned) UG 2 (CBCS): Paper MCBCOR03P:	UG 2 (CBCS): Paper MCBCOR03T: Bioenergetics and oxydative
to week 4	Study effect of temperature, pH	phosphorylation
	and Heavy metals on enzyme	UG 4 (CBCS): Paper MCBCOR11T: Unit 4 Down-stream processing: Cell
	activity, Qualitative/Quantitative	disruption, filtration, centrifugation, solvent extraction, precipitation,
	tests for proteins: Biuret & Lowry's	lyophilization and spray drying
	method	UG 6(CBCS): Paper MCBCOR13T: Antimicrobial agents: antibiotic and
	UG 4 (CBCS): Paper MCBACOR09P	their mode of actions. Antibacterial agents: Five modes of action
	Plaque assay of bacteriophages	with one example each:; Inhibitor Antifungal, Antibiotic
	from standard teaching kit	resistance, MDR, XDR, MRSA, NDM-1
		PG Sem II: Paper MCBT203: Vectors, Si RNA and Mi RNA
		PG Sem IV : Paper17:Fermentation: penicillin, streptomycin, VitB ₁₂
Week 5 to	PG Sem IV: Paper 17: Fermentative	UG 2 (CBCS): PaperMCBCOR03T: Numerical problems: pH ,buffers
week 8	production of penicillin	UG 4 (CBCS): Paper MCBSEC: Water microbiology: MPN test,
		presumptive, confirmed & completed test
		UG 6 CBCS: Paper MCBCOR14T: RDT: Vectors: mechanism, types
		PG Sem IV: Paper MCBC3DSE: Developmental Richary
Week 9 to	LIC com VI (MCPACOP12D)	PG Sem IV: Paper MCB03DSE: Developmental Biology UG 2 (CBCS): Paper – MCBCOR03T: Numerical problems on
Week 9 to	UG sem VI (MCBACOR13P: MEDICAL MICROBIOLOGY)	bioenergetics
WEEK 12	1. Antibacterial sensitivity test by	UG 4 (CBCS): Paper MCBCOR12T: Transposons
	agar cup assay	UG 6 (CBCS): Paper MCBCOR14T: RDT: Modern vectors: HAC, BAC,
	2. Antibacterial sensitivity test by	PAC, YAC
	Kirby-Bauer method	PG Sem II: Paper MCBT202: Regulation of prokaryotic gene
	3. Determination of minimal	expression, CRISPR-CAS mechanisms
	inhibitory concentration (MIC) of	PG Sem IV : Paper MCB03DSE: Developmental Biology, Pattern
	an antibiotic.	formation, anterior posterior
Week 13	UG 6 (CBCS): Paper MCBDSE06P: 1.	UG 2 (CBCS): Paper – MCBCOR03T: Revision
	Determination of λ max for an	UG 4 (CBCS): Paper MCBSEC: Water microbiology: Revision
	unknown sample and calculation of	UG 6: Paper MCBCOR14T: RDT: Cloning: blue-white screening
	extinction coefficient.	PG Sem II: Paper MCBT203: RDT: Isolation & purification of protein:
	2. Separation of components of a	PAGE, Western blot
	given mixture using a laboratory	PG Sem IV: Paper17:bread, pickles, dosa, sauerkraut fermentation
XX71 1	scale centrifuge.	T. 4 1 T
	3 to week 14	Internal Exam
Week 15	Mock Viva-voce from the practical	UG 2 (CBCS): Paper – MCBCOR03T: titration curve, isoelectic pH UG 4 (CBCS): Paper MCBSEC: Water microbiology: Purification of
to 17		water: sedimentation, filtration, UV, RO, bleaching etc.
		UG 6: Paper MCBCOR14T: RDT: properties of expression vectors
		PG Sem II: Paper MCBT203: RDT: Revision
		PG Sem IV: Paper17: Probiotics, SCP, mushroom production
Week 18	Revision, Practice	Revision
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<u>Teaching Planfor Odd Semester, UG & PG courses</u>

<u>Department of Microbiology</u>

<u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

UG Semester 1,3,5, PG 1 and PG 3 Name of the Teacher: Dr. Sandip Misra **Subject: Microbiology**

Paper: cc1, cc6 and cc12, PG Paper 1 and paper 11 (Theory and Practical) Mode: Online

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to	(UG 1 (CBCS) Paper MCBACOR01T:
week 4	UG1 (CBCS)Paper MCBACOR01P: study the principal of important laboratory instrument.	Unit -2 - microscopy
		UG3 (CBCS) Paper MCBACOR06T:
	bacterial staning (gram, endospore), estimation of CFU by spread and pour plate method.	Unit 2 – Nucleus Unit -5 – cell cycle regulation
		UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 2. Immuno cell and organ
		PG1: Paper 1: Biomolecules & Enzymology: Protein structure
		DC 2. Domen 11. Income also and Antiha da disconita
Week 5 to	LICE (CDCC) Domar MCD A COD012D	PG 3: Paper 11: Immunology: Antibody diversity UG3 (CBCS) Paper MCBACOR06T:
week 8	UG5 (CBCS)Paper MCBACOR012P Immunology practical	` · · ·
		Unit 2 – Nucleus Unit -5 – cell cycle regulation
		UG 5 (CBCS) Paper MCBACOR12T: Immunology
		Unit 4 Antibodies Unit 7- Generation of immune response PG1: 1: Biomolecules & Enzymology: Protein structure PG 3: Paper 11: Immunology: Antibody diversity
Week 9 to Week 12	UG5 (CBCS)Paper MCBACOR012P Immunology practical	UG 5 (CBCS) Paper MCBACOR12T: Immunology Unit 7- Generation of immune response
		PG 3: Paper 11: Immunology: B cell development and T cell development, activation, positive and negative selection
Week 13	Practical copywriting completion	PG 3: Paper 11: Immunology: B cell development and T cell development, activation, positive and negative selection
Week13	to Week 14 Intern	al Exam
Week 15 to 17	UG5 (CBCS)Paper MCBACOR012P Immunology practical	PG1: Paper MCBT101: Biomolecules & Enzymology: Protein structure PG 3: Paper 11: Immunology: B cell development and T cell development, activation, positive and negative selection
Week 18	Revision, Practise	Revision

BIDHANNAGAR COLLEGE, GOVERNMENT OF WEST BENGAL, SALTLAKE, KOLKATA

Teaching Planfor even Semester, UG & PG courses

Department of Microbiology Session (2020-2021)

Class:B.Sc/M.Sc.

Semester 2,4,6 (UG) and PG 2 and PG 4

Name of the Teacher: Dr. Sandip Misra Subject: Microbiology Paper: cc3, cc9, cc 13, cc14, and DSE 06 (UG), PG Paper 6 and (Theory and Practical) Mode: Online

	UG 2 (CBCS) Paper	
WCCK 1	MCBACOR04P:	UG 2 (CBCS) Paper MCBACOR03T: Unit 4- proteins structure
	Isolation of microbes from soil	UG 4 (CBCS) Paper MCBACOR09T: Unit 3- Viral nucleic, viral transmission and replication
		UG 6 (CBCS) Paper MCBACOR13T: Unit 2- sample collection, transport and diagnosis
		Paper MCBACOR14T UNIT-5 Construction and screening of genomic and cDNA library
		PG 2: Paper 6: Metabolism & Bioenergetics: Catabolism of amino acid
	UG 2 (CBCS) Paper MCBACOR04P:	UG 2 (CBCS) Paper MCBACOR03T: Unit 4- proteins structure
	Isolation of microbes from rhizosphere	UG 4 (CBCS) Paper MCBACOR09T: Unit 3- Viral nucleic, viral transmission and replication UG 6 (CBCS) Paper MCBACOR14T:
		UNIT-5 Construction and screening of genomic and cDNA library:
		PG 2: Paper 6: Metabolism & Bioenergetics: Catabolism of amino acid
	UG 2 (CBCS) Paper MCBACOR04P:	UG 2 (CBCS) Paper MCBACOR03T: Unit 4- proteins structure
	Isolation of microbes from phylosphere	UG 4 (CBCS) Paper MCBACOR09T: Unit 3- Viral nucleic, viral transmission and replication
	PG2- Paper 9- immunology practical	UG 6 (CBCS) Paper MCBACOR14T UNIT-5 Construction and screening of genomic and cDNA library UNIT-6 Application of recombinant DNA technology
		UG 2 (CBCS) Paper MCBACOR04T: Unit 3- biogeochemical cycle
		PG 2: Paper 6: Metabolism & Bioenergetics: Catabolism of fatty acid
Week 13	PG2- Paper 9- immunology practical	UG 6- (CBCS) Paper MCBADSE06T Microscope
Week 13 to	o week 14 Interna	l Exam
Week 15 to 17	PG2- Paper 9- immunology practical	UG 2 (CBCS) Paper MCBACOR04T: Unit 3- biogeochemical cycle UG 6- (CBCS) Paper MCBADSE06T: Microscope
Week 18		Revision, class tests

Teaching Plan for Odd Semester, UG & PG course

<u>Department of Microbiology</u>: <u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

Semester 1,3,5 (UG) & 1,3 (PG) Name of the Teacher: Dr. Sourav Pakrashi

Subject: Microbiology

Paper: UG/PG Theory and Practical (ONLINE)

S. No	Practical syllabus to be covered	Theory syllabus to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	UG Sem 1: Gram staining, Pure culture, Streaking	UG 1 (CBCS): Paper – MCBCOR01T: General characteristics of Protozoa
		UG III (CBCS): MCBCOR05T: Membrane transport
		UG V(CBCS): PaperMCBDSE03T: Inheritance biology
		PG Sem I: Paper 1: bacterial Cell wall,
		PG Sem III: paper 13- RDT: restriction & modification enzymes
Week 5 to	PG Sem 3: Bradford assay to identify concentration of unknown protein sample	UG 1 (CBCS): Paper – MCBCOR01T: General characteristics of Protozoa, <i>Plasmodium vivax</i>

		UG III: MCBCOR06T: Cell organelle of eukaryotic cell
		UG V(CBCS): PaperMCBDSE03T: Gene, allele, mono and di hybride cross,
		PG Sem I: Paper 2: FACS, FRAP, FLIP
		PG Sem III: Paper 13: RDT: Southern blotting,
Week 9 to		UG 1 (CBCS): Paper – MCBCOR01T: General characteristics of Protozoa, <i>Leishmania donovan</i> i
		UG III: MCBCOR07T: Translation
		UG V(CBCS): PaperMCBDSE03T: Linkage
		PG Sem I: Paper 1: Lipid
		PG Sem III: paper 13: RDT: Northern blotting
Week 13	UG III: MCBCOR05P: Quantification of unknown DNA sample using spectrophotometer	UG 1 (CBCS): Paper – MCBCOR01T: General characteristics of Protozoa,
		UG III: MCBCOR07T: Translation
		UG V(CBCS): PaperMCBDSE03T: Pedigree
		PG Sem I: Paper 1: Bacterial cell wall, archaeal cell wall
		PG Sem III: paper 13: Western blotting
Week13	3 to week 14	Internal Exam
Week 15		UG 1 (CBCS): Paper – MCBCOR02T: methods of growth
to 17		measurement: turbidimetric, plate count, membrane filter etc.
		UG III: MCBCOR05T: Fermentative pathways: Question-answer
•		discussion of previous University exams
		UG V(CBCS): PaperMCBDSE03T: Pedigree analysis practice
		PG Sem I: Paper 2: Numerical problems on bacterial growth
		PG Sem III: paper 13: RNA & protein: Isolation & purification
Week 18	Revision, Practice	Revision

Teaching Plan for even Semester, UG/PG course

<u>Department of Microbiology</u> <u>Session (2020-21)</u>

Class: B.Sc/M.Sc.

Semester 2,4,6 (UG) & 2,4 (PG) Name of the Teacher: Dr. Sourav pakrashi

Subject: Microbiology

Paper: UG & PG Theory and Practical (Online)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1	UG 2 (CBCS): Paper MCBCOR03P:	UG 2 (CBCS): Paper MCBCOR03T: Membrane transport,
to week 4	Laboratory preparation of buffers:	UG 4 (CBCS): Paper MCBCOR6T: Cancer
		UG 6: Paper MCBCOR14T: RDT: Restriction & modification.
		ligation: T4 DNA ligase, E coli DNA ligase, homopolymer tailing
		PG Sem II : Paper 9: Chromatography: ion-exchange, gel filtration
		PG Sem IV : Paper17:Fermentation: penicillin, streptomycin, VitB ₁₂
Week 5 to		UG 2 (CBCS): PaperMCBCOR03T: Numerical problems: pH ,buffers
week 8		UG 4 (CBCS): Paper MCBSEC: Water microbiology: MPN test,
		presumptive, confirmed & completed test
		UG 6: Paper MCBCOR14T: RDT: Vectors: mechanism & types
		PG Sem II: Paper 7: Chromatography: affinity, HPLC, GLC

		PG Sem IV : Paper 17: Fermentation: lactic acid, citric acid, vinegar
Week 9 to	UG4 (CBCS): Isolation of UV resistant bacteria	UG 2 (CBCS): Paper – MCBCOR03T: Polyprotic acids & its Numerical
Week 12		Problems
		UG 4 (CBCS): Paper MCBSEC: Water microbiology: IMViC test
		UG 6: Paper MCBCOR14T: RDT: Mod vectors: HAC, BAC, PAC, YAC
		PG Sem II: Paper 7: Chromatography: affinity, HPLC, GLC
		PG Sem IV : Paper 17: Fermented food: curd, yogurt, cheese, tofu
Week 13	UG4 (CBCS): Replica plating	UG 2 (CBCS): Paper – MCBCOR03T: Revision
		UG 4 (CBCS): Paper MCBSEC: Water microbiology: Revision
		UG 6: Paper MCBCOR14T: RDT: Cloning: blue-white screening
		PG Sem II: Paper 7: Chromatography: paper chromatography, TLC
		PG Sem IV : Paper17:bread, pickles, dosa, sauerkraut fermentation
Week 1	13 to week 14	Internal Exam
Week 15	Mock Viva-voce from the practical	UG 2 (CBCS): Paper – MCBCOR03T: titration curve, isoelectic pH
to 17		UG 4 (CBCS): Paper MCBSEC: Water microbiology: Purification of
		water: sedimentation, filtration, UV, RO, bleaching etc.
		UG 6: Paper MCBCOR14T: RDT: properties of expression vectors
		PG Sem II: Paper 7: Chromatography: Revision
		PG Sem IV: Paper17: Probiotics, SCP, mushroom production
Week 18	Revision, Practice	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5.

Name of the Teacher: Dr Ranajit Karmakar
Subject: Zoology

Paper: ZOOACOR01, ZOOACOR05, ZOOACOR06, ZOOACOR07, ZOOADSE01 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	ZOOACOR01P: Study of Obelia, Physalia, Millepora, Aurelia, Tubipora, Corallium, Alcyonium, Gorgonia, Metridium, Pennatula, Fungia, Meandrina, Madrepora ZOOACOR06P: Study of permanent slides of Mammalian skin, Cartilage, Bone, Spinal cord, Nerve cell, Pituitary, Pancreas, Testis, Ovary, Adrenal, Thyroid 4. Microtomy: Preparation of permanent slide of any five (lung, salivary gland, stomach, small intestine, large intestine only) mammalian (white rat) tissues	ZOOACOR01T, Unit 3: Cnidaria General characteristics and Classification up to classes Metagenesis in Obelia Polymorphism in Cnidaria Corals and coral reefs: types, formation distribution, conservation significance ZOOACOR06T: Unit 1: Tissues 4 classes Structure, locations, classification and functions of epithelial tissues, connective tissues, muscular tissues and nerve tissues Unit 2: Bone and Cartilage Structure and types of bones and cartilages, Ossification Unit 3: Nervous System 4 10 Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types
Week 5 to Week 8	ZOOACOR05P: Aves Study of six common birds from different orders (Stork, Owl/Falcon, Sun Bird, Jacanna, Duck)- types of beaks and claws.	ZOOACOR05T, Unit 8: Aves General characteristics and classification up to Sub-Classes Exoskeleton and migration in Birds Principles and aerodynamics of flight ZOOADSE01T, Unit 3: Social and Sexual Behaviour 1. Social Behaviour: Concept of Sociality, Types of animal Society with examples, Altruism 3. Insects' society with Honey bee as example; Foraging in honey bee and advantages of the waggle dance.
Week 9 to Week 12	ZOOACOR07P: Study of the enzymatic activity of Trypsin and Lipase.	ZOOACOR07T: Unit 1: Fundamentals of biochemical reactions and metabolism correlations. XII Edition. Ionization of water, weak acids and bases, buffering and pH changes in living systems Metabolism: Catabolism and Anabolism, Compartmentalization of metabolic pathways, Shuttle systems and membrane transporters; ATP as "Energy Currency of cell"; coupled reactions; Use of reducing equivalents and cofactors; Intermediary metabolism and regulatory mechanisms
Week 13		ZOOACOR07T Unit 2: Carbohydrates Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5. Name of the Teacher: Dr Saurabh Chakraborti

Subject: Zoology

Paper: ZOOACOR05, ZOOACOR07, ZOOACOR12 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
Week 1	be mentioned)	ZOOACOR12T, Unit 1: Mendelian Genetics and its Extension Background of Mendel's
to week 4		experiments Principles of Mendelian inheritance, Incomplete dominance and co-dominance, Epistasis, Multiple alleles
Week 5 to Week 8	ZOOACOR05P: Aves Study of six common birds from different orders (Stork, Owl/Falcon, Sun Bird, Jacanna, Duck)- types of beaks and claws. ZOOADSE01P	ZOOACOR12T, Unit 1: Lethal alleles, Pleiotropy, Sex-linked, sex- influenced and sex- limited inheritance, Polygenic Inheritance.
Week 9 to Week 12	ZOOACOR12P: Chi-square analyses Statistical tests of data and decision making Chi square test for goodness of fit and student t test for comparing means of two small samples from normal populations (paired/unpaired)	ZOOACOR12T, Unit 2: Linkage, Crossing Over and Chromosomal Mapping Linkage and Crossing Over, molecular basis of crossing over, Measuring Recombination frequency and linkage intensity using three factor crosses, Interference and coincidence
Week 13	ZOOACOR12P : Pedigree analysis of some inherited traits in human	ZOOACOR07T Unit 2: Carbohydrates Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5.

Name of the Teacher: Dr Somnath Mandal Subject: Zoology

Paper: ZOOACOR01, ZOOACOR02, ZOOACOR05, ZOOACOR06, ZOOACOR07, ZOOACOR11, ZOOACOR12 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	ZOOACOR01P: Study of adult Ascaris lumbricoides and its life stages (Slides/microphotographs) ZOOACOR02P: 1. Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided	ZOOACOR01T, Unit 6: Nemathelminthes General characteristics and Classification-Life cycle, and pathogenicity of Ascaris lumbricoides, Ancylostoma duodenale and Wuchereria bancrofti Parasitic adaptations in helminths Origin and evolution of parasitic helminthes ZOOACOR02T: Unit 1: History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors, The Biosphere. Unit 2: Unitary and Modular populations Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal and dispersion. Geometric, exponential and logistic growth, equation and patterns, r and K strategies Population regulation - density dependent and independent factors Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition. ZOOACOR11T: Unit 3: Transcription Mechanism of Transcription in prokaryotes and eukaryotes, Transcription factors, Difference between prokaryotic and eukaryotic transcription. Unit 5: Post Transcriptional Modifications and Processing of Eukaryotic RNA Capping and Poly A tail formation in mRNA; Split genes: concept of introns and exons, splicing mechanism, alternative splicing, exon shuffling, and RNA editing, Processing of tRNA
Week 5 to	ZOOACOR05P: 1. Protochordata Herdmania,	ZOOACOR05T: Unit 1: Introduction to Chordates General characteristics and outline
Week 8 Week 9 to Week 12	Branchiostoma, Colonial Urochordates; Sections of Balanoglossus through proboscis and branchiogenital regions, Sections of Amphioxus through pharyngeal, intestinal and caudal regions, Herdmania spicules ZOOACOR06P: Recording of simple muscle twitch with electrical stimulation (or Virtual) 2. Preparation of temporary mounts: Squamous epithelium, Striated muscle fibers and nerve cells ZOOACOR07P Performing the Acid and Alkaline phosphatase assay from serum/ tissue. 4. Demonstration of proteins separation by SDS-PAGE.	classification of Phylum Chordata Unit 2: Protochordata General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes. Metamorphosis in Ascidia Chordate Features and Feeding in Branchiostoma ZOOACOR06T: Unit 3: Nervous System 4 10 Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types ZOOACOR07T: Unit 4: Proteins Amino acids Structure, Classification, General and Electro chemical properties of α-amino acids; Physiological importance of essential and non-essential amino acids Proteins Bonds stabilizing protein structure; Levels of organization Protein metabolism: Transamination, Deamination, Urea cycle, Fate of C- skeleton of Glucogenic and Ketogenic amino acids ZOOACOR12T, Unit 7: Transposable Genetic Elements Transposons in bacteria, Ac- Ds elements in maize and P elements in Drosophila, LINE, SINE, Alu elements in humans ZOOACOR06T, Unit 4: Muscular system 10 Histology of different types of muscle; Ultra
,, 002		structure of skeletal muscle; Molecular and chemical basis of muscle contraction; Characteristics of muscle fiber Unit 5: Reproductive System Histology of testis and ovary; Physiology of Reproduction
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5.

Name of the Teacher: Dr Suman Mukherjee
Subject: Zoology

 $\textbf{Paper:}\ ZOOACOR01,\ ZOOACOR02,\ ZOOACOR05,\ ZOOACOR06,\ ZOOACOR07,\ ZOOACOR11,\ ZOOACOR12\\ \textbf{(Theory and Practical)}$

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	ZOOACOR01P: Study of adult Fasciola hepatica, Taenia solium and their life cycles (Slides/microphotographs) ZOOACOR02P: Study of an aquatic ecosystem: Sampling of Phytoplankton and zooplankton, Measurements of temperature, turbidity/penetration of light, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂ .	ZOOACOR01T, Unit 5: Platyhelminthes-General characteristics and Classification up to classes Life cycle and pathogenicity of Fasciola hepatica and Taenia solium ZOOACOR02T, Unit 4: Ecosystem 10 classes Types of ecosystem with an example in detail, Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies Nutrient and biogeochemical cycle with an example of Nitrogen cycle Human modified ecosystem
Week 5 to Week 8	ZOOACOR05P: Amphibia Ichthyophis/Ureotyphlus, Necturus, Bufo, Hyla, Alytes, Salamandra	ZOOACOR05T: Unit 6: Amphibia General characteristics and classification up to living Orders Metamorphosis and parental care in Amphibia ZOOACOR06T: Unit 6: Endocrine System 16 6 Histology and function of pituitary, thyroid, pancreas and adrenal; Classification of hormones; Mechanism of Hormone action; Signal transduction pathways for Steroidal and Non steroidal hormones; Hypothalamus (neuroendocrine gland) - principal nuclei involved in neuroendocrine control of anterior pituitary and endocrine system; Placental hormones
Week 9 to Week 12	ZOOACOR07P: 1. Qualitative tests of functional groups in carbohydrates, proteins and lipids.	ZOOACOR07T: Unit 3: Lipids Structure and Significance: Physiologically important saturated and unsaturated fatty acids, Triacylglycerols, Phospholipids, Sphingolipid, Glycolipids, Steroids, Eicosanoids and terpinoids. Lipid metabolism: β-oxidation of fatty acids; Fatty acid biosynthesis ZOOACOR12T: Unit 6: Recombination in Bacteria and Viruses Conjugation, Transformation, Transduction, Complementation test in Bacteriophage
Week 13	ZOOACOR07P 3. Quantitative estimation by Lowry Method	ZOOACOR11T, Unit 8: Molecular Lab Techniques PCR, Western and Southern blot, Northern Blot, Sanger DNA sequencing, cDNA technology
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5.

Name of the Teacher: Mrs Urmi Mitra
Subject: Zoology

Paper: ZOOACOR01, ZOOACOR05, ZOOACOR07, ZOOACOR11, ZOOADSE01 (Theory and Practical)

	OOACOR01, ZOOACOR05, ZOOACOR07, ZO	OOACOR11, ZOOADSE01 (Theory and Practical)
S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Amoeba and Paramoecium, Binary fission and Conjugation in Paramoecium To submit a Project Report on any related topic on pond water protozoan or invertebrate diversity/ life cycles of mosquitoes, butterfly/moth etc/coral and coral reefs.	
Week 5 to Week 8	ZOOADSE01P: 3. To study geotaxis behaviour in earthworms. 4. To study the phototaxis behaviour in insects/defensive behaviour in mosquito larvae.	ZOOACOR07T: Unit 6: Enzymes Nomenclature and classification; Cofactors; Specificity of enzyme action; Isozymes; Mechanism of enzyme action; Enzyme kinetics; Derivation of Michaelis-Menten equation, Lineweaver Burk plot; Factors affecting rate of enzyme-catalyzed reactions; Enzyme inhibition; Allosteric enzymes and their kinetics; Strategy of enzyme action- Catalytic and Regulatory (Basic concept with one example each)
Week 9 to Week 12	ZOOADSE01P: 7. Study of circadian functions in humans (daily eating, sleep and temperature patterns).	ZOOADSE01T, Unit 4: Introduction to Chronobiology 1. Historical developments in chronobiology; 2. Biological oscillation: the concept of Average, amplitude, phase and period 3. Adaptive significance of biological clocks
Week 13	ZOOADSE01P: 6. Study and actogram construction of locomotor activity of suitable animal models.	ZOOADSE01T, Unit 5: Biological Rhythm 1. Types and characteristics of biological rhythms: Short- and Long- term rhythms; Circadian rhythms; Tidal rhythms and Lunar rhythms; 2. Concept of synchronization and masking; Photic and non-photic zeitgebers; Circannual rhythms; 3. Photoperiod and regulation of seasonal reproduction of vertebrates; Role of melatonin.
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5. Name of the Teacher: Dr Suman Bej Subject: Zoology

Paper: ZOOACOR01, ZOOACOR05, ZOOACOR06, ZOOACOR07, ZOOACOR11, ZOOACOR12 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	ZOOACOR01P: Study of Sycon (T.S. and L.S.), Hyalonema, Euplectella, Spongilla One specimen/slide of any Ctenophore	ZOOACOR01T, Unit 2: Porifera General characteristics and Classification up to classes Canal system and spicules in sponges Unit 4: Ctenophora General characteristics ZOOACOR05T, Unit 3: Origin of Chordata Dipleurula concept and the Echinoderm theory of origin of chordates Advanced features of vertebrates over Protochordata Unit 4: Agnatha General characteristics and classification of cyclostomes up to order ZOOACOR11T: Unit 1: Nucleic Acids Salient features of DNA and RNA Watson and Crick Model of DNA Unit 2: DNA Replication Mechanism of DNA Replication in Prokaryotes, Semi-conservative, bidirectional and discontinuous Replication, RNA priming, Replication of telomeres
Week 5 to Week 8	Chimaera, Mystus, Heteropneustes, Labeo, Exocoetus, Echeneis, Anguilla, Hippocampus, Tetraodon, Anabas, Flat fish	
Week 9 to Week 12	ZOOACOR05P: Mount of weberian ossicles of Mystus or Grass Carp, Pecten from Fowl head,	ZOOACOR07T: Unit 5: Nucleic Acids Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids Types of DNA and RNA, Complementarity of DNA, Hypo- Hyperchromaticity of DNA Outlines of nucleotide metabolism
Week 13	Dissection of Fowl head (Dissections and mounts subject to permission)	ZOOACOR12T: Unit 3: Mutations 1. Types of gene mutations (Classification), Types of chromosomal aberrations (Classification with one suitable example of each), Chromosomal aberrations, gene mutations and human diseases (Down's, Klienfelter's, Turner's, Cri du Chat, Sickle cell, Haemophilia, Thallassimia, Albinism – only genetical aspects here, details of physiological consequences not required), Sex chromosomes and sex-linked inheritance 2. Non-disjunction and variation in chromosome number; Molecular basis of mutations in relation to UV light and chemical mutagens
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Laboratory Note Book	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 1, 3 and 5.

Name of the Teacher: Dr Biswatosh Ghosh
Subject: Zoology

Paper: ZOOACOR01, ZOOACOR02, ZOOACOR05, ZOOACOR07, ZOOACOR11, ZOOACOR12, ZOOADSE01 (Theory and Practical)

	COR01, ZOOACOR02 , ZOOACOR05, ZOOA	COR07, ZOOACOR11, ZOOACOR12, ZOOADSE01 (Theory and Practical)
S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	(Insectivorous and Frugivorous), Funambulus, Loris, Herpestes, Erinaceous.	ZOOACOR01T, Unit 1: Protista, Parazoa and Metazoa Study of Euglena, Amoeba and Paramoecium Evolution of symmetry and segmentation of Metazoa ZOOACOR05T, Unit 9: Mammals General characters and classification up to living orders Phylogenetic significance of Prototheria Exoskeleton derivatives of mammals Adaptive radiation in mammals with reference to locomotory appendages Echolocation in Microchiropterans and Cetaceans ZOOADSE01T, Unit 1: Introduction to Animal Behaviour 1. A brief history of animal behaviour studies including the works of Fabre, Darwin, Von Frisch, Lorenz, Tinbergen, Jane Goodal, Biruté Galdikas, Dian Fossey, Salim Ali, Gopal Bhattacharyya, M. K. Chandrashekhar, Raghavendra Gadagkar. 2. The objectives of modern animal behaviour studies: Tinbergen's four questions.
Week 5 to Week 8	density of a natural/hypothetical population. Study of species diversity of a community by quadrat or any other suitable sampling method and calculation of Shannon-Weiner diversity index for the same community. ZOOACOR12P: Identification of chromosomal aberration in Drosophila from photographs ZOOADSE01P: 1. To study nests (non-invasively) and nesting habits of the birds and social insects (e.g. Social Wasps).	ZOOACOR02T: Unit 3: Community characteristics: species diversity, abundance, dominance, richness, Vertical stratification, Ecotone and edge effect. Ecological succession and example of it. Unit 5: Applied Ecology Wildlife Conservation (in-situ and ex-situ conservation). Management strategies for tiger conservation; Wild life protection act (1972) ZOOACOR05T, Unit 10: Zoogeography Zoogeographical realms, Plate tectonic and Continental drift theory, Distribution of birds and mammals in different realms ZOOACOR12T: Unit 4: Sex Determination Mechanisms of sex determination in Drosophila with reference to alternative splicing Sex determination in mammals Dosage compensation in Drosophila & Human ZOOACOR07T: Unit 7: Oxidative Phosphorylation Redox systems; Review of
Week 9 to Week 12	acids. ZOOACOR11P: 1. Demonstration of polytene Chromosome from <i>Drosophila</i> /Chironomid larvae ZOOADSE01P: Study and actogram construction of locomotor activity of suitable animal models.	mitochondrial respiratory chain, Inhibitors and un-couplers of Electron Transport
Week 13	ZOOACOR11P: Isolation and quantification of genomic DNA using spectrophotometer (A260 measurement) ZOOADSE01P: 2. To study the behavioural responses of rice weevil /wood lice to dry and humid conditions. 5. Visit to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park (within West Bengal) to study behavioural activities of animals and prepare a short report.	ZOOACOR12T, Unit 5: Extra-chromosomal Inheritance Criteria for extra chromosomal inheritance, Antibiotic resistance in <i>Chlamyadomonas</i> , Kappa particle in <i>Paramoecium</i> Shell spiralling in snail ZOOADSE01T, Unit 2: Behaviours of Individuals 1. Reflexes and Orientations 2. Instinct 3. Learning: Imprinting and other Programmed Learning, Habituation, Innovations and Cultural Transmission / Social Learning
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Laboratory Note Book	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6.

Name of the Teacher: Dr Ranajit Karmakar
Subject: Zoology

Paper: ZOOACOR03, ZOOACOR04, ZOOACOR08, ZOOACOR09, ZOOACOR10, ZOOACOR13, ZOOACOR14, ZOOADSE04 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	ZOOACOR04P: 1. Preparation of temporary stained squash of onion root tip to study various stages of mitosis	ZOOACOR03T, Unit 1: Introduction to Coelomates Evolution of coelom and metamerism ZOOACOR04T, Unit 1: Overview of Cells Prokaryotic and Eukaryotic cells, Virus, Viroids, Mycoplasma, Prions Unit 2: Plasma Membrane Various models of plasma membrane structure Transport across membranes: Active and Passive transport, Facilitated transport Cell junctions: Tight junctions, Desmosomes, Gap junctions Extracellular Matrix-Cell Interactions ZOOACOR14T, Unit 4: Sources of variations 3 Heritable variations present in natural populations (classical study of Lewontin and Hubby, 1966 in Drosphila, as example) Unit 5: Population genetics: Concept of Populations and calculation of allele frequencies in a population Hardy-Weinberg Law and equilibrium (derivations, applications of law to find gene and genotype frequencies in human Populations) Evolutionary forces disrupting H-W equilibrium-16 Natural selection: Definition as the non-differential rate of reproductions and survivals of competing alleles, concept of fitness, selection coefficient, Types of natural selection with examples- Disrupting, Stabilizing, Directional. Genetic Drift- outline of its mechanism, basic concepts and examples of founder's effect, bottleneck phenomenon; Role of Gene flow and Mutation rates in changing allele frequencies in a population (No mathematical models)
Week 5 to Week 8	demonstrate: a. DNA by Feulgen reaction b. Mucopolysaccharides by PAS reaction c. Proteins by Mercurobromophenol blue/Fast Green	ZOOACOR08T, Unit 1: Integumentary System Structure, function and derivatives of integument in amphibian, birds and mammals Unit 7: Nervous System Comparative account of brain, Cranial nerves in mammals ZOOACOR09T, Unit 1: Physiology of Digestion 12 Structural organisation and functions of Gastrointestinal tract and Associated glands; Mechanical and chemical digestion of food, absorption of Carbohydrates, Lipids, Proteins and Nucleic Acids; Digestive enzymes ZOOADSE04T, Unit 1: Introduction and Classification General description of fish Feeding habit, habitat and manner of reproduction Classification of fish (up to Subclasses) with important examples
Week 9 to Week 12	ZOOACOR10P: 1. Demonstration of lymphoid organs. 2. Histological study of spleen, thymus and lymph nodes through slides/ photographs	ZOOACOR09T, Unit 2: Physiology of Respiration 10 Mechanism of Respiration, Respiratory volumes and capacities, transport of Oxygen and Carbon dioxide in blood, Dissociation curves and the factors influencing it, respiratory pigments; Carbon monoxide poisoning ZOOACOR10T, Unit 1: Overview of Immune System Basic concepts of health and diseases, Historical perspective of Immunology, Organs (Primary & Secondary lymphoid organs and its importance) and Cells of the Immune system, Concept of Haematopoiesis and development of progenitor cells of the Immune system (Brief idea)
Week 13	equilibrium in a population by chi square analysis 5. Collection of a sample of height, weight, age, sex data from at least 100 individuals and applying of different statistical analyses (frequency distribution, mean, mode, standard deviations, correlations, etc) and graphical representations.	ZOOACOR13T, Unit 1: Introduction 2 Basic concepts: Phases of Development, Cell-cell interaction, Differentiation and growth, Differential gene expression Unit 2: Early Embryonic Development Gametogenesis, Spermatogenesis, Oogenesis; Types of eggs, Egg membranes; 20 Fertilization (External and Internal): Changes in gametes, Blocks to polyspermy; Planes and patterns of cleavage; Types of Blastula; Fate maps (including Techniques); Early development of frog and chick up to gastrulation; Embryonic induction and organizers
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6.

Name of the Teacher: Dr Somnath Mandal
Subject: Zoology

Paper: ZOOACOR03, ZOOACOR04, ZOOACOR08, ZOOACOR09, ZOOACOR10, ZOOACOR14, ZOOADSE05 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to be mentioned)	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	ZOOACOR03P: Hemichordates- Saccoglossus	ZOOACOR03T, Unit 7: Hemichordata General characteristics of phylum Hemichordata. Phylogenetic relationship with non-chordates and chordates (only recent concept)* ZOOACOR14T, Unit 6: Products of evolution 10 Inter-population variations: clines, races, Species concepts and modes of speciation (just outlines of Allopatric, Sympatric and Parapatric speciation models with examples), Isolating mechanisms Adaptive radiations/macroevolution as exemplified by Galapagos finches Unit 7: Extinctions 2 Major mass extinctions in the history of life and their impacts on biodiversity on earth (brief descriptions) Unit
Week 5 to Week 8	kit.	ZOOACOR04T, Unit 4: Mitochondria and Peroxisomes Mitochondria: Structure, Semi- autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, Chemi- osmotic hypothesis Peroxisomes ZOOADSE05T, Unit 4: Parasitic Arthropoda 3 Mosquitoes and flies as vectors of human pathogen Biology, importance and control of myiasis causing diptera Biology, importance and control of ticks, mites, Pediculus humanus (head and body louse), Xenopsylla cheopis and Cimex lectularius
Week 9 to Week 12	ZOOADSE05P: Study of monogenea from the gills of fresh/marine fish [Gills can be procured from fish market as by product of the industry]	ZOOACOR08T, Unit 3: Digestive System 6 Classes 6 8 Comparative anatomy of stomach; dentition in mammals ZOOACOR09T, Unit 3: Physiology of Circulation 12 Components of Blood and their functions; Structure and functions of haemoglobin; Haemostasis; Blood clotting system, Fibrinolytic system; Haemopoiesis: Basic steps and its regulation; Blood groups; ABO and Rh factor ZOOADSE05T, Unit 6: Parasitic Vertebrates 2 A brief account of parasitic vertebrates; Cookiecutter Shark, Candiru, Hood Mockingbird and Vampire bat
Week 13	ZOOADSE05P: Study of nematode/cestode parasites from the intestines of Poultry bird [Intestine can be procured from poultry/market as a by product]	ZOOACOR10T, Unit 3: T Cell development Structure of T cell receptors, Co-stimulatory molecules on T cells Concept of synapse between APC & T cells (between MHC≈TCR & between Co stimulatory molecules) in details. Central differentiation of T cells; T cell selection in thymus Peripheral differentiation of T cells; Th1 & Th2 ZOOACOR14T, 8: Origin and evolution of man 6 Unique hominin characteristics contrasted with primate characteristics (including social and cultural ones), Primate phylogeny: from Dryopithecus leading to Homo sapiens, Molecular evidences of human origin and migrations (brief outline)
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6. Name of the Teacher: Dr Suman Mukherjee Subject: Zoology

Paper: ZOOACOR03, ZOOACOR04, ZOOACOR08, ZOOACOR09, ZOOACOR10, ZOOADSE05 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	ZOOACOR03P: Annelids - Aphrodita, Nereis, Heteronereis, Sabella, Serpula, Chaetopterus, Pheretima, Hirudinaria ZOOACOR04P: 5. Cell viability study by Trypan Blue staining ZOOADSE05P: Study of adult and life stages of Ascaris lumbricoides, Ancylostoma duodenale, Wuchereria bancrofti and Trichinella spiralis through permanent slides/micro photographs . • Study of plant parasitic root knot nematode, Meloidogyne from the soil sample • Study of Pediculus humanus (Head louse and Body louse), Xenopsylla cheopis and Cimex lectularius through permanent slides/ photographs	ZOOACOR03T, Unit 2: Annelida General characteristics and Classification up to classes Excretion in Annelida ZOOACOR04T, Unit 3: Endomembrane System Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes ZOOACOR09T, Unit 4: Physiology of Heart 8 Structure of mammalian heart, Coronary Circulation, Structure and working of conducting myocardial fibers, Origin and conduction of cardiac impulses; Cardiac Cycle and cardiac output; Blood pressure and its regulation
Week 5 to Week 8	Pila, Doris, Helix, Unio, Ostrea, Pinctada, Sepia, Octopus, Nautilus 2. Digestive system, septal nephridia and pharyngeal nephridia of earthworm 3. T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm	ZOOACOR03T Unit 5: Mollusca General characteristics and Classification up to classes Respiration in Mollusca Torsion and detorsion in Gastropoda Pearl formation in bivalves Evolutionary significance of trochophore larva ZOOACOR08T, Unit 6: Urinogenital System Succession of kidney, Evolution of urinogenital ducts, Types of mammalian uteri Unit 7: Nervous System Comparative account of brain, Cranial nerves in mammals
Week 9 to		ZOOACOR10T, Unit 8: Hypersensitivity Gell and Coombs' classification and brief
Week 12	blood cells using haemocytometer 3. Estimation of haemoglobin using Sahli's haemoglobinometer 4. Preparation of haemin and haemochromogen crystals 5. Recording of blood pressure using a sphygmomanometer/digital meter	
Week 13	to study various types of blood cells. 4. ABO blood group determination. ZOOACOR14P: 2. Study of homology and analogy from suitable specimens (from Photographs/models)	ZOOADSE05T, Unit 3: Parasitic Platyhelminthes 15 Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of Fasciola hepatica, Paragonimus westermani, Schistosoma haematobium, Taenia solium, Echinococcus granulosus and Hymenolepis nana Unit 3: Parasitic Nematodes 15 Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of Ascaris lumbricoides, Ancylostoma duodenale, Wuchereria bancrofti and Trichinella spiralis. Study of structure, life cycle and importance of Meloidogyne (root knot nematode), Pratylencus (lesion nematode)
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6.

Name of the Teacher: Mrs Urmi Mitra
Subject: Zoology

Paper: ZOOACOR03, ZOOACOR04, ZOOACOR08, ZOOACOR09, ZOOACOR10, ZOOADSE05 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	
Week 1 to week 4	Pentaceros/Asterias, Ophiura, Clypeaster, Echinus, Cucumaria and Antedon 2. Study of disarticulated skeleton of Toad, Pigeon and Guineapig 3. Demonstration of Carapace and plastron of turtle	ZOOACOR03T, Unit 6: Echinodermata General characteristics and Classification up to classes Water-vascular system in Asteroidea Larval forms in Echinodermata Affinities with Chordates ZOOACOR09T, Unit 5: Thermoregulation & Osmoregulation Physiological classification based on thermal biology. Thermal biology of endotherms; Osmoregulation in aquatic vertebrates; Extra-renal osmo-regulatory organs in vertebrates
Week 5 to Week 8	ZOOACOR03P: To submit a Project Report (mostly literature review) on any related topic to larval forms (crustacean, mollusc and echinoderm)	ZOOACOR04T, Unit 5: Cytoskeleton Structure and Functions: Microtubules, Microfilaments and Intermediate filaments Unit 6: Nucleus Structure of Nucleus: Nuclear envelope, Nuclear pore complex, Nucleolus Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome) ZOOADSE05T, Unit 1: Introduction to Parasitology 3 Brief introduction of Parasitism and other animal associations, Parasite, Parasitoid and Vectors (mechanical and biological vector) Host parasite relationship and zoonosis
Week 9 to Week 12	ZOOACOR08P: 4. Identification of mammalian skulls: One herbivorous (Guineapig) and one carnivorous (Dog) animal	ZOOACOR08T, Unit 2: Skeletal System Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches. ZOOACOR10T, Unit 2: Innate and Adaptive Immunity Principle of Innate and Adaptive Immunity. • Components of innate immunity – Epithelial barriers (skin and mucosal membranes [concept]) – Cellular mechanisms (phagocytes, NK cells, mast cells, eosinophils, inflammation [concept]) – Humoral mechanisms (complement, cytokines, chemokines etc. [concept]) • Components of adaptive immunity – Cellular mechanisms (Cell-Mediated Immune System (CMIS) or T Cell Immunity [concept]) – Humoral mechanisms (Formation of Plasma B cells and Memory B cells [concept])
Week 13	ZOOADSE05P: Study of life stages of Entamoeba histolytica, Giardia intestinalis, Trypanosoma gambiense, Leishmania donovani and Plasmodium vivax through permanent slides/micro photographs • Study of adult and life stages of Fasciola hepatica, Schistosoma haematobium, Taenia solium and Hymenolepis nana through permanent slides/micro photographs	ZOOACOR10T, Unit 10: Vaccines 4 Various types of vaccines. Active & passive immunization (Artificial and natural). ZOOADSE05T, Unit 2: Parasitic Protists 15 15 Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of Entamoeba histolytica, Giardia intestinalis, Trypanosoma gambiense, Leishmania donovani, Plasmodium vivax, Plasmodum falciparum and Toxoplasma gondii
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Revision	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6. Name of the Teacher: Dr Suman Bej Subject: Zoology

Paper: ZOOACOR04, ZOOACOR08, ZOOACOR09, ZOOACOR10, ZOOACOR13, ZOOADSE04 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	, ,
Week 1 to week 4	ZOOACOR04P: 2. Study of various stages of meiosis (in pre-prepared slides and/or in photographs obtained from websites).	ZOOACOR04P Unit 7: Cell Division Mitosis and Meiosis Cell cycle and its regulation Cancer (Concept of oncogenes and tumor suppressor genes) Mechanisms of cell death: brief overview ZOOACOR13T, Unit 3: Late Embryonic Development 8 Fate of Germ Layers; Extraembryonic membranes in birds; Implantation of embryo in humans, Placenta (Structure, types and functions of placenta)
Week 8	ctenoid scales through permanent slides/photographs ZOOADSE04P: 5. Water quality criteria for Aquaculture: Assessment of pH, conductivity, Total solids, Total dissolved solids 6. Study of air breathing organs in Channa, Heteropneustes, Anabas and Clarias 7. Project Report on a visit to any fish farm/ pisciculture unit/Zebra fish rearing Lab.	ZOOACOR08T, Unit 4: Respiratory System- Respiratory organs in fish, amphibian, birds and mammals ZOOACOR09T, Unit 6: Renal Physiology 8 Structure of Kidney and its functional unit, Mechanism of urine formation, Regulation of acid-base balance ZOOADSE04T, Unit 4: Aquaculture 16 Sustainable Aquaculture; Extensive, semi- intensive and intensive culture of fish; Pen and cage culture; Polyculture; Composite fish culture; Brood stock management; Induced breeding of fish; Management of finfish hatcheries; Preparation and maintenance of fish aquarium; Preparation of compound diets for fish; Role of water quality in aquaculture; Fish diseases: Bacterial, viral and parasitic; Preservation and processing of harvested fish, Fishery by-products
Week 12	developmental stages of chick through permanent slides: Primitive streak (13 and 18 hours), 21, 24, 28, 33, 36, 48, 72, and 96 hours of incubation (Hamilton and Hamburger stages) 2. Study of the developmental stages and life cycle of Drosophila	ZOOACOR08T, Unit 5: Circulatory System General plan of circulation, Comparative account of heart and aortic arches ZOOACOR10T, Unit 6: Cytokines & Chemokines Brief concept on types of Cytokines & Chemokines Cytokines (source & function of IL-1, IL-2, IL-4, IL-5, IL-6, IL-8, IL-10, IL-12, Interferons, Tumor Necrosis Factors, Tumor Growth Factors, GM-CSF, M-CSF). Chemokines (source & function of CCL2, CCL3, CCL4, CCL5, CxCL8, CxCL10)
Week 13	ZOOADSE04P: 2. Study of external salient features in Petromyzon, Myxine, Pristis, Chimaera, Exocoetus, Hippocampus, Gambusia, Labeo, Heteropneustes, Anabas (all from photographs) 3. Study of different types of scales (through permanent slides/ photographs).	ZOOACOR13T, Unit 4: Post Embryonic Development Development of brain and Eye in Vertebrate Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (with one example each) Unit 5: Implications of Developmental Biology Teratogenesis: Teratogenic agents and their effects on embryonic development; In vitro fertilization, Stem cell (ESC), Amniocentesis ZOOADSE04T, Unit 2: Morphology and Physiology 4 14 Types of fins and their modifications; Locomotion in fish; Hydrodynamics; Types of Scales, Use of scales in Classification and determination of age of fish; Gills and gas exchange; Swim Bladder: Types and role in Respiration, buoyancy; Osmoregulation in Elasmobranchs; Reproductive strategies (special reference to Indian fish); Electric organ, Bioluminescence
Week 13 to week 14 Internal Exam		Internal Exam
Week 15 to 17	Laboratory Note Book	Revision
Week 18	Field work Report	Revision

Teaching Plan for Even Semester, UG course Department of Zoology

Session (2020-2021)

Class: B.Sc.

Semester: 2, 4 and 6.

Name of the Teacher: Dr Biswatosh Ghosh
Subject: Zoology

Paper: ZOOACOR03, ZOOACOR04, ZOOACOR08, ZOOACOR10, ZOOACOR13, ZOOACOR14, ZOOADSE04 (Theory and Practical)

S. No	Practical syllabus to be covered (Paper code to	Theory syllabus to be covered (Paper code to be mentioned)
	be mentioned)	Theory symmous to see control (2 upor code to se memorica)
Week 1 to week 4	ZOOACOR03P: Arthropods - Limulus, Palamnaeus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Eupagurus, Scolopendra, Julus, Bombyx, Periplaneta, termites and honey bees Onychophora – Peripatus ZOOACOR13P: 4. Project report on Drosophila culture/chick embryo development	ZOOACOR03T, Unit 3: Arthropoda General characteristics and Classification up to classes Vision and Respiration in Arthropoda Metamorphosis in Insects Social life in bees and termites ZOOACOR08T, Unit 8: Sense Organs Classification of receptors, Brief account of auditory receptors in vertebrate ZOOACOR14T, Unit 3: Evidences in favour of Evolution 5 7 4 Fossil records: types of fossils, geological time scale, transitional forms: examples of fossils depicting the evolutionary stages of the modern horses Molecular (universality of genetic code and protein synthesis machinery) evidences Unit 4: Sources of variations 3 Heritable variations present in natural populations (classical study of Lewontin and Hubby, 1966 in Drosphila, as example)
Week 5 to Week 8	dissection of digestive system and nervous system of Periplaneta ZOOACOR04P: 3. Preparation of permanent slide to show the presence of Barr body in human female blood cells/cheek cells.	
Week 9 to Week 12	ZOOACOR08P: 5. Dissection of Tilapia: Circulatory system, Brain, pituitary, urinogenital system ZOOADSE04P: 4. Study of crafts and gears used in Fisheries	ZOOACOR10T, Unit 4: Immunoglobulins Structure and functions of different classes of immunoglobulins, Antigen- antibody interactions, Immunoassays (ELISA and RIA), Hybridoma technology, Monoclonal antibody production ZOOADSE04T, Unit 5: Fish in research 6 Transgenic fish, Zebra fish as a model organism in research
Week 13	ZOOACOR14P: 1. Study of fossils from models/ photographs- Direct ancestors of horses, Archaeopteryx	ZOOACOR14T, Unit 8: Molecular Phylogeny 7 The basic concept of molecular phylogeny, Neutral theory of molecular evolution, molecular clock (brief introductions) Example of evolution in vertebrate globin genes ZOOADSE04T, Unit 3: Fisheries Inland Fisheries; Marine Fisheries; Environmental factors influencing the seasonal variations in fish catches in the Arabian Sea and the Bay of Bengal; Fishing crafts and Gears; Depletion of fishery resources; Application of remote sensing and GIS in fisheries; Fisheries law and regulations
Week 1	3 to week 14	Internal Exam
Week 15 to 17	Laboratory Note Book	Revision
Week 18	Field work Report	Revision

Teaching Plan for Odd Semester, UGcourse

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 1,3,5Name of the Teacher: Amit Kumar RoyChoudhury

Subject:Economics

Paper :CC1, CC5, CC11(Theory)

Paper	Paper :CC1, CC5, CC11(Theory)		
S. No	Theory syllabus to be covered (Paper code to be mentioned)		
Week 1			
to week 4	Core Course 1 : ECOACOR01T Introductory Microeconomics		
	Exploring the subject matter of Economics		
	Core Course 5 : ECOACOR05T Intermediate Microeconomics 1		
	1. Consumer Theory Revisited		
	Core Course 11 : ECOACOR011T Introductory Econometrics		
	Classical Statistical Inference:Basic Concepts of Estimation		
Week 5 to	Core Course 1 : ECOACOR01T Introductory Microeconomics		
week 8	2. Supply and Demand: How Markets work, Markets and Welfare		
	Core Course 5 : ECOACOR05T Intermediate Microeconomics 1		
	Market Structure: Perfect Competition		
	Core Course 11: ECOACOR011T Introductory Econometrics		
	2. Linear Regression: Specifications of the model		
Week 9 to	Core Course 1 : ECOACOR01T Introductory Microeconomics		
Week 12	3. Supply and Demand: How Markets work, Markets and Welfare		
	Core Course 5 : ECOACOR05T Intermediate Microeconomics 1		
	4. Imperfect Market Structure : Monopoly i) Monopoly and Anti-trust policy ii)		
	Equilibrium with single plant		
	Core Course 11 : ECOACOR011T Introductory Econometrics		
	Linear Regression: Prediction with the Simple Regression model		
Week 13	Core Course 1 : ECOACOR01T Introductory Microeconomics		
	3. The Households		
	Core Course 5 : ECOACOR05T Intermediate Microeconomics 1		
	4. Imperfect Market Structure : Monopoly iii) Price Discxrimination iv)		
	Monopsony		
	Core Course 11 : ECOACOR011T Introductory Econometrics		
	Linear Regression:prediction with the Simple Regression model continued		
Week 15	Core Course 1 : ECOACOR01T Introductory Microeconomics		
to 17	4. Production and Cost		
	5. Market Structure		
	Core Course 5 : ECOACOR05T Intermediate Microeconomics 1		
	Imperfect Market Structure : Monopolistic Competition		
	Core Course 11 : ECOACOR011T Introductory Econometrics		
	5. Specification Analysis		
Week 18	Revision		
-			

Teaching Plan for even Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 2,4,6 Name of the Teacher: Amit Kumar RoyChoudhury

Subject: Economics

Paper: CC4, CC10, GE4, DSE4 (Theory)

	Paper: CC4, CC10, GE4, DSE4 (Theory)		
S. No	Theory topics to be covered (Paper code to be mentioned)		
Week 1	Core Course 4: ECOACOR04T Statistical Methods for Economics-1		
to week 4	2. Measures of Central Tendency		
	Core Course 10 : ECOACOR010T Statistical Methods for Economics 11		
	1. Introduction and Overview		
	DSE 4(Group B(a): ECOADSE04T Contemporary Development Economics		
	6 i). Globalisation: Development as Historical Processes		
	GE Course-4: ECOHGEC04T Indian Economy		
	1. Structure of Indian Economy		
	2. Human resources and economy development		
Week 5 to	Core Course 4 : ECOACOR04T Statistical Methods for Economics-1		
week 8	3. Measures of Dispersion		
	Core Course 10 : ECOACOR010T Statistical Methods for Economics 11		
	3. Random Variables and Probability distribution: Concepts of some special		
	distributions, Transformations and Expectations of variables		
	DSE 4(Group B(a): ECOADSE04T Contemporary Development Economics		
TT 1 0	6 ii). Globalisation: Evolution of new International economic order		
Week 9 to	Core Course 4 : ECOACOR04T Statistical Methods for Economics-1		
Week 12	5. Bivariate Frequency Distribution: Regression Analysis		
	Core Course 10 : ECOACOR010T Statistical Methods for Economics 11		
	4. Random Sampling and Jointly distributed Random Variables		
	DSE 4(Group B(a): ECOADSE04T Contemporary Development Economics		
*** 1 10	6 ii). Globalisation: Evolution of new International economic order		
Week 13	Core Course 4 : ECOACOR04T Statistical Methods for Economics-1		
	6. ANOVA tables		
	Core Course 10 : ECOACOR010T Statistical Methods for Economics 11		
	4. Random Sampling and Jointly distributed Random Variables: Computation		
	of Expected values; covariance and correlation coefficients		
	DSE 4(Group B(a): ECOADSE04T Contemporary Development Economics		
	6 ii). Globalisation: GATT and Dunkel Draft, WTO		
Week 15	Core Course 4: ECOACOR04T Statistical Methods for Economics-1		
to 17	8. Index Numbers		
	Core Course 10 : ECOACOR010T Statistical Methods for Economics 11		
	6. Introduction to Statistical Inference		
	DSE 4(Group B(a): ECOADSE04T Contemporary Development Economics		
	6 iii). Globalisation: Foreign Finance , Investment and Development		

Week 18	Revision

Teaching Plan for Odd Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 1,3,5 Name of the Teacher: Santosh Kumar Dutta

Subject:Economics

Paper: SEC 1, DSE1 (Theory)

Paper: SEC 1, DSE1 (Theory)	
S. No	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	SEC Course-1: ECOSSEC001 Survey methodology 1. Introduction, Inference and Error in Surveys DSE1 Group A(a): ECOADSE01T Applied Econometrics 1. Stages in Empirical Econometric Research
Week 5 to week 8	SEC Course-1: ECOSSEC001 Survey methodology Sampling in Survey Research DSE1 Group A(a): ECOADSE01T Applied Econometrics 2. Essential steps in primary data collection: Problem selection, designing of questionnaire, sample design, pre-testing of questionnaire for collection of primary data, introduction to secondary data sources.
Week 9 to Week 12	SEC Course-1: ECOSSEC001 Survey methodology 3. Mode of Data Collection DSE1 Group A(a): ECOADSE01T Applied Econometrics 3. Application of Statistics: Estimation of descriptive statistics: mean, median, mode, standard deviation, simple correlation, rank correlation. Graphical representation of data sets: pie-chart, bar chart, linear and nonlinear curve fitting.
Week 13	SEC Course-1: ECOSSEC001 Survey methodology Nonresponse DSE1 Group A(a): ECOADSE01T Applied Econometrics 3. Application of Statistics: Introduction to probability theory, random sampling using random number, Testing of hypothesis
Week 15 to 17	SEC Course-1: ECOSSEC001 Survey methodology 1. Post-Survey Processing; Estimation (Lepkowski) DSE1 Group A(a): ECOADSE01T Applied Econometrics 4. Application of Econometrics: Linear regression, heteroscedasticity, autocorrelation, multicollinearity, application of dummy variable models. Interpretation of Estimated parameters

	5. Dummy variables: dummy variable for changes in intercept term, slope coefficient, dummy variable trap, dummy variables for testing in the regression coefficient	
Week 18	Revision	

Teaching Plan for Even Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 2,4,6 Name of the Teacher: Santosh Kumar Dutta

Subject: Economics

Paper: CC10, SEC2 (Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1		Core Course-10 (ECOACOR10T) STATISTICAL METHODS FOR
to week 4	DSE Course Group B(c):	ECONOMICS-II
	ECOADSE02P	Elementary Probability Theory
	Project/ Dissertation	SEC Course 2: ECOSSEC02M Indian Official Statistics
		1. Introduction
Week 5 to		Core Course-10 (ECOACOR10T) STATISTICAL METHODS FOR
week 8		ECONOMICS-II
	DSE Course Group B(c):	 Random Variables and Probability Distributions Defining
	ECOADSE02P	random variables; probability distributions; properties of
	Project/ Dissertation	discrete and continuous distributions, expected values of
		random variables
		SEC Course 2: ECOSSEC02M Indian Official Statistics
		2. Economic Census
		Paper C etc:
Week 9 to		
Week 12		Core Course-10: (ECOACOR10T) STATISTICAL METHODS FOR
	DSE Course Group B(c):	ECONOMICS-II
	ECOADSE02P	1. Sampling (a) Principal steps in a sample survey; methods
	Project/ Dissertation	of sampling; the role of sampling theory;
		SEC Course 2: ECOSSEC02M Indian Official Statistics
		3. Sources of Demographic data
Week 13		Core Course-10 (ECOACOR10T) STATISTICAL METHODS FOR
	DSE Course Group B(c):	ECONOMICS-II
	ECOADSE02P	1. Sampling (a) Principal steps in a sample survey; methods
	Project/ Dissertation	of sampling; the role of sampling theory (continued)
		SEC Course 2: ECOSSEC02M Indian Official Statistics
		3. Sources of Demographic data continued
Week13	3 to week 14	Internal Exam

Week 15 to 17	DSE Course Group B(c): ECOADSE02P	Core Course-10 (ECOACOR10T) STATISTICAL METHODS FOR ECONOMICS-II
	Project/ Dissertation	Sampling (b) Distributions of sample mean and sample variance, properties of random samples. SEC Course 2: ECOSSEC02M Indian Official Statistics 4. International Statistical System
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 1,3,5 Name of the Teacher: Tapas Kumar Pal

Subject:Economics

Paper: CC6, CC11 (Theory)

S. No	Theory syllabus to be covered (Paper code to be mentioned)
Week 1 to week 4	Core Course 6: ECOACOR06T Intermediate Macroeconomics-1 1. The Classical System Core Course 11: ECOACOR011T Introductory Econometrics 2. Classical Statistical Inference: Basic Concepts of Estimation
Week 5 to week 8	Core Course 6: ECOACOR06T Intermediate Macroeconomics-1 2. The Complete Keynesian model Core Course 11: ECOACOR011T Introductory Econometrics 2. Linear Regression: Regression Model 3. Problems in OLS method: Violation and Assumptions, Analysis of Residuals
Week 9 to Week 12	Core Course 6: ECOACOR06T Intermediate Macroeconomics-1 3. Inflation, Unemployment and Expectations i) Phillip's Curve Core Course 11: ECOACOR011T Introductory Econometrics 3. Problems in OLS method: Heteroskedasticity, Autocorrelation, Multicollinearity
Week 13	Core Course 6: ECOACOR06T Intermediate Macroeconomics-1 3. Inflation, Unemployment and Expectations ii) Aggregate supply and Phillip's curve Core Course 11: ECOACOR011T Introductory Econometrics 4. Multiple Regression with qualitative information: Describing qualitative information

Week 15	Core Course 6 : ECOACOR06T Intermediate Macroeconomics-1	
to 17	4. Open economy Models	
	Core Course 11 : ECOACOR011T Introductory Econometrics	
	3. Multiple Regression with qualitative information: Dummy Variables, Interaction, the linear probability model	
Week 18	Revision	

Teaching Plan for Even Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 2,4,6Name of the Teacher: Tapas Kumar Pal

Subject: Economics

Paper: CC3, CC9, CC14, DSE3, DSE2P (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1 to week 4	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course 3: ECOACOR03T Introductory Macroeconomics 1. Introduction to Macroeconomics and National Income Accounting: Methods of calculating GDP, NI NI Core Course 9: ECOACOR09T Intermediate Macroeconomics - II 1. Economic Growth Core Course 14: ECOACOR14T International Economics 1. International trade: a)Meaning and scope, Arbitrage, Difference between inter and intra-national trade
Week 5 to week 8	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course 3: ECOACOR03T Introductory Macroeconomics 2. Introduction to Macroeconomics and National Income Accounting: Measurement of Cost of Living, Measuring Joblessness, Okun's Law Core Course 9: ECOACOR09T Intermediate Macroeconomics - II 3. Microeconomic Foundations a) Consumption Core Course 14: ECOACOR14T International Economics 1. International trade: b) Concept od Absolute and Comparative advantage c) International equilibrium

Week 9 to Week 12	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course 3: ECOACOR03T Introductory Macroeconomics 1. Introduction to Macroeconomics and National Income Accounting: National Income accounting for an open economy, Balance of payments: Current and Capital accounts Core Course 9: ECOACOR09T Intermediate Macroeconomics - II 2. Microeconomic Foundations b) Investment Core Course 14: ECOACOR14T International Economics 1. International trade: c) International equilibrium d) Gains from trade
Week 13	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course 3: ECOACOR03T Introductory Macroeconomics 1. Introduction to Macroeconomics and National Income Accounting: National Income accounting for an open economy: NI as a measure of economic welfare Core Course 9: ECOACOR09T Intermediate Macroeconomics - II 3. Microeconomic Foundations c) Demand for money Core Course 14: ECOACOR14T International Economics 2. Theories of International Trade a) technology and trade
Week13	3 to week 14	Internal Exam
Week 15 to 17	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course 3: ECOACOR03T Introductory Macroeconomics 4.The Closed Economy in the short run Core Course 9: ECOACOR09T Intermediate Macroeconomics – II 4. Schools of macroeconomic Thoughts Core Course 14: ECOACOR14T International Economics 2. Theories of International Trade b) Factor endowment and trade c) New trade theories
Week 18	Revision, Practise	Revision

Teaching Plan for odd Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 1,3,5Name of the Teacher: Sudip Kumar Ghosh

Subject: Economics

Paper: GE3, CC7, CC12(Theory)

S. No	Theory topics to be covered (Paper code to be mentioned)		
Week 1	GE-3 Development Economics ECOHGEC03T		
to week 4	2. Basic Concepts of Development:		
	Core Course-12: ECOACOR12T Development Economics		
	1. Basic concepts of development		
Week 5 to	GE-3 Development Economics ECOHGEC03T		
week 8	3. Development Planning & its necessity		
	Core Course-12: (ECOACOR12T) Development Economics		
	2. Persistence of Underdevelopment and Strategies of Development: Characteristics,		
	obstacles to development -Trap models, Big Push and Hirschmanmodel		
Week 9 to	GE-3 Development Economics ECOHGEC03T		
Week 12	4. Concept and Role of Domestic Capital Formation in an Underdeveloped		
	Country		
	5. Foreign Investment		
	Core Course-12: (ECOACOR12T) Development Economics		
	2. Persistence of Underdevelopment and Strategies of Development: Choice of		
	technique, Labour surplus and Lewis model, Harris-Todaro model		
Week 13	GE-3 Development Economics ECOHGEC03T		
	5. Role of International Institutions		
	Core Course-12: ECOACOR12T Development Economics		
	3. Poverty and Inequality		
Week 15			
to 17	Core Course-7 (ECOACOR07T): MATHEMATICAL METHODS FOR ECONOMICS-II		
	5.Dynamical Methods: algebraic and geometric exposition and application		
	GE-3 Development Economics ECOHGEC03T		
	6. Gender Related Issues		
	Core Course-12: (ECOACOR12T) Development Economics		
	4. Globalization		
Week 18	Revision		

Teaching Plan for Even Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 2,4,6 Name of the Teacher: Sudip Kumar Ghosh

Subject: Economics

Paper: CC4, GE4,CC13,DSE4, DSE2P(Theory and Practical)

S. No	Practical works to be covered	Theory topics to be covered (Paper code to be
	(Paper code to be mentioned)	mentioned)
Week 1 to week 4	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course-4 (ECOACOR04T) STATISTICAL METHODS FOR ECONOMICS-I 2. Basic Concepts Core Course-13(ECOACOR13T) INDIAN ECONOMY 1. Economic Development since Independence: Major features of the economy at independence; Structural constraints; Economic planning, Evolution of Indian Planning and its development goals and strategies: Debates between Growth and distribution DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY DEVELOPMENT ECONOMICS 1. Meaning of Economic Development
Week 5 to week 8	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course-4 (ECOACOR04T) STATISTICAL METHODS FOR ECONOMICS-I 4. Measures of Skewnessand Kurtosis Core Course-13(ECOACOR13T) INDIAN ECONOMY 1. Economic Development since Independence: Public sector vs. Private sector, Consumer goods vs. Capital goods, Import substitution vs. Export promotion; growth and development under different policy regimes—goals, constraints, institutions and policy framework; an assessment of performance—sustainability and regional contrasts; structural change, savings and investment. DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY DEVELOPMENT ECONOMICS 2. Poverty and Inequality
Week 9 to Week 12	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course-4 (ECOACOR04T) STATISTICAL METHODS FOR ECONOMICS-I 5. Bivariate frequency distribution: Simple Correlation: scatter diagram, sample correlation coefficient - Karl Pearson's correlation coefficient and itsproperties, probable error of correlation coefficient, Spearman's rank correlation coefficient, partial and multiple correlation

		Core Course-13(ECOACOR13T) INDIAN ECONOMY 2. Population and Human Development DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY DEVELOPMENT ECONOMICS 2. Poverty and Inequality GE Course-4: ECOHGEC04T Indian Economy 3. Agriculture 4. Industry 5.Banking
Week 13	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course-4 (ECOACOR04T) STATISTICAL METHODS FOR ECONOMICS-I 4. Time series Core Course-13(ECOACOR13T) INDIAN ECONOMY 3. Growth and Distribution DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY DEVELOPMENT ECONOMICS 2. Poverty and Inequality
Week1.	3 to week 14	Internal Exam
Week 15 to 17	DSE Course Group B(c): ECOADSE02P Project/ Dissertation	Core Course-4 (ECOACOR04T) STATISTICAL METHODS FOR ECONOMICS-I 9. Vital Statistics Core Course-13(ECOACOR13T) INDIAN ECONOMY 4. Macroeconomic Policies and Their Impact DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY DEVELOPMENT ECONOMICS 3. Political Institutions and the State
Week 18	Revision, Practise	Revision

Teaching Plan for Odd Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 1,3,5Name of the Teacher: Tina Barma

Subject: Economics

Paper: CC2, CC 7, DSE2 (Theory)

S. No	Theory topics to be covered (Paper code to be mentioned)	
Week 1 to week 4	Core Course-2 ECOACOR02TMathematical Methods for Economics-I 1. Concept,Set Theory, Functions and Relations 2. Brief Review of Differential and Integral Calculus	

	Core Course- 7 ECOACOR07T Mathematical Methods for Economics-II		
	1.Multi-variable function: Convex and quasi-convex functions and their		
	properties, Homogenous and Homothetic functions, Envelope theory, Shadow		
	prices		
	DSE2 -Course-Group A(b): ECOADSE02TPublic Economics		
	1. Nature and Scope of Public Economics:		
Week 5 to	Core Course-2 ECOACOR02TMathematical Methods for Economics-I		
week 8	Brief Review of Differential and Integral Calculus and their application		
WCCK 0	Core Course- 7 ECOACOR07T Mathematical Methods for Economics-II		
	Classical Optimization: Kuhn Tucker and lagrangean methods and		
	conditions 3. Linear Programming and Duality		
	DSE2 -Course-Group A(b): ECOADSE02TPublic Economics		
	2. Theory of Public Good		
Week 9 to	Core Course-2 ECOACOR02TMathematical Methods for Economics-I		
Week 12	5. Single variable optimisation		
	Core Course- 7 ECOACOR07T Mathematical Methods for Economics-II		
	3. Linear Programming and Duality		
	DSE2 -Course-Group A(b) ECOADSE02T Public Economics		
	3. Taxation: Classification of Taxes; Canons of Taxation; Benefit Principle; Equal		
	Sacrifice Principle; Ability to Pay Principle; Incidence and Burden of Taxes; Effects of		
	taxation on income distribution, work efforts, and on savings; dead weight loss and		
	distortion, efficiency and equity considerations		
	distortion, emclency and equity considerations		
Week 13	Core Course-2 ECOACOR02T		
Mathematical Methods for Economics-I			
4. Other topics: Series, Trigonometric functions and associated curves			
	Core Course- 7 ECOACORO7T Mathematical Methods for Economics-II		
	4. Simultaneous Equation Systems		
	· · ·		
	DSE2 -Course-Group A(b) ECOADSE02T Public Economics		
	3. Taxation (continued): tax incidence, optimal taxation; the Laffer curve.		
Week 15	Core Course-2 ECOACOR02T		
to 17	Mathematical Methods for Economics-I		
10 17	6. Multi-variable optimization and its application		
	Core Course- 7 ECOACOR07T Mathematical Methods for Economics-II		
	4. Simultaneous Equation Systems (continued) 6.Game Theory and its		
	Applications		
	DSE2 -Course-Group A(b) ECOADSE02T Public Economics		
	4. Public Expenditure and Public Debt		
	DSE Course-Group A(a:) (ECOADSE01T) APPLIED ECONOMETRICS		
	6.Introduction to Econometric Software Package(STATA)		
Week 18	Revision		
WCCK 10	The vision		

Teaching Plan for Even Semester, UG course

Department of Economics

Session (2020-21)

Class:B.A/ B.Sc

Semester 2,4,6 Name of the Teacher: Tina Barma

Subject: Economics

Paper: CC3, CC8, GE4 CC14, DSE4, DSE2P (Theory and Practical)

S. No	Practical works to be covered (Paper code to be mentioned)	Theory topics to be covered (Paper code to be mentioned)
Week 1	,	Core Course 3: ECOACOR03T Introductory Macroeconomics
to week 4	DSE Course Group B(c):	3. Money: Functions of money; quantity theory of money
	ECOADSE02P	Core Course 8: ECOACOR08T Intermediate Microeconomics – II
	Project/ Dissertation	1 . Market Structure: Oligopoly and Strategic Behaviour of
		Firms
		Core Course 14: ECOACOR14T International Economics
		3. Trade Policy: Effect of Instruments of Trade Policy: Tariff and
		Quota- partial and general equilibrium analysis; Export Subsidy,
		Voluntary Export restraint in partial equilibrium framework for
		small country,
		DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY
		DEVELOPMENT ECONOMICS
		4. Individuals, Communities and Collective Outcomes:
		Individual behavior in social environments, multiple social
		equilibria
Week 5 to		Core Course 3: ECOACOR03T Introductory Macroeconomics
week 8		2. Money: determination of money supply and demand;
	DSE Course Group B(c):	credit creation
	ECOADSE02P	Core Course 8: ECOACOR08T Intermediate Microeconomics – II
	Project/ Dissertation	2. Market Failure
		Core Course 14: ECOACOR14T International Economics
		3. Trade Policy:General Equilibrium Analysis distinction
		between large and small economy, welfare effects of a tariff on
		small country and large country, Offer curve and ToT, Tariff
		ridden offer curve, Tariff war, Optimum tariff for large
		economy, Metzler's Paradox.
		DSE Course-Group B(a) (ECOADSE04T) CONTEMPORARY
		DEVELOPMENT ECONOMICS
		4. Individuals, Communities and Collective Outcomes: Governance in
		organizations and in communities; individual responses to
		organizational inefficiency
Week 9 to		Core Course 3: ECOACOR03T Introductory Macroeconomics
Week 12		3. Inflation and its social cost
	DSE Course Group B(c):	Core Course 8: ECOACOR08T Intermediate Microeconomics – II
	ECOADSE02P	3.Input Markets: Derived demand for a single input &
	Project/ Dissertation	multiple input in competitive & imperfectly competitive
		markets, Firm demand & industry demand, Adding up problem,
		Collective bargaining & exploitation
		Core Course 14: ECOACOR14T International Economics



বিধাননগর কলেজ

বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০১৮-১৯ শিক্ষাবর্ষ

শিক্ষকের নাম – ড. উদয় শঙ্কর বর্মা

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٤	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
			UNIT 2 অনুবাদ সাহিত্যের ধারা অংশবিশেষ
সপ্তাহ ৫ – ৮	٤	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
			UNIT 2 অনুবাদ সাহিত্যের ধারা অংশবিশেষ
সপ্তাহ ৯ – ১২	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
			UNIT 2 অনুবাদ সাহিত্যের ধারা অংশবিশেষ
সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন			
	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
			UNIT 2 অনুবাদ সাহিত্যের ধারা অংশবিশেষ
সপ্তাহ ১৫-১৭			
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন		

বিধাননগর কলেজ

বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি –জুন) ২০১৮-১৯ শিক্ষাবর্ষ

শিক্ষকের নাম – ড. উদয় শঙ্কর বর্মা

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 4	UNIT 1 : বাংলা প্রবন্ধ সাহিত্যের ধারাফোর্ট উইলিয়াম কলেজ
			থেকে প্রমথ চৌধুরী পর্যন্ত
			UNIT 3বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ
সপ্তাহ ৫ – ৮	×	CC 4	UNIT 1 : বাংলা প্রবন্ধ সাহিত্যের ধারা ফোর্ট উইলিয়াম কলেজ
			থেকে প্রমথ চৌধুরী পর্যন্ত
			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা প্রবন্ধ সাহিত্যের ধারা ফোর্ট উইলিয়াম কলেজ
			থেকে প্রমথ চৌধুরী পর্যন্ত
			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ
সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন			
	ર	CC 4	UNIT 1 : বাংলা প্রবন্ধ সাহিত্যের ধারা ফোর্ট উইলিয়াম কলেজ
			থেকে প্রমথ চৌধুরী পর্যন্ত
সপ্তাহ ১৫-১৭			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন

বিধাননগর কলেজ

বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০১৯-২০ শিক্ষাবর্ষ

শিক্ষকের নাম – ড. উদয় শঙ্কর বর্মা

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
	٥	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : বিষয় চলচ্চিত্র – সত্যজিৎ রায়
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
	9	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ শতক –
	•		নির্বাচিত অংশ)
		CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
সপ্তাহ ৯ – ১২	٥	CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	٥	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : চৈতন্যজীবনী
		CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
		সপ্তাহ ১	১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন
সপ্তাহ ১৫-১৭		CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
	•		নির্বাচিত অংশ)
		SEC 1	UNIT 1 : বিষয় চলচ্চিত্র – সত্যজিৎ রায়
		DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ কোথায়
	٥		– আবু সয়ীদ আইয়ুব
	Č .		UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা

	পাঠ-		UNIT 4 : বিনয় মজুমদারের কবিতা
	পাঠ- পুনৰ্বিবেচনা		
	ું હ		
	অনুশীলন		
	વનુ ॥નન		
সপ্তাহ ১৮		1	



বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন) ২০১৯-২০ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	৬	DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ৫ – ৮	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
		সপ্তাহ ১	৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন
		CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
	২		পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
সপ্তাহ ১৫-১৭		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন

	৬	DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ১৮		পাঠ- পুনর্বিবেচনা ও অনুশীলন	



বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০২০-২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
	9	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	Č	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ কোথায় –
			আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৫ – ৮	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	œ	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ কোথায় –
			আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৯ – ১২	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন

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		SEC 1	UNIT 1 : বিষয় চলচ্চিত্র – সত্যজিৎ রায়
	¢	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ কোথায় –
			আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
		সপ্তাহ :	১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন
	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ শতক –
			নির্বাচিত অংশ)
		CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
সপ্তাহ ১৫-১৭		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
	•	SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
		DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
	Č	DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ কোথায়
			– আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ১৮			পাঠ -পুনর্বিবেচনা ও অনুশীলন
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বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন) ২০২০-২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	৬	DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ৫ – ৮	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	৬	DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
	৬	DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
		DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শস্তু মিত্ৰ (নিৰ্বাচিত)

	সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন			
		CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক	
	২		পত্রের ইতিহাস – নির্বাচিত অংশ	
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)	
সপ্তাহ ১৫-১৭		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ	
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন	
	৬	DSE 4	UNIT 1: সন্মার্গ সপর্যা – শস্তু মিত্র (নির্বাচিত)	
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়	
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা	
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন			

বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০২১-২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ
			শতক – নির্বাচিত অংশ)
	9	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত

	œ	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৫ – ৮	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ
			শতক – নিৰ্বাচিত অংশ)
	৩	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	Č	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৯ – ১২	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ
			শতক – নির্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	Œ	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
		সপ্তাহ ১৩ – ১৪ : ব	অভ্যন্তরীণমূল্যায়ন
	٥	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ
			শতক – নির্বাচিত অংশ)
		CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
সপ্তাহ ১৫-১৭		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
	•	SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
		DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
	Č	DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা

	UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন



বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২১-২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٦	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	y	DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ৫ – ৮	٦	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ

		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	৬	DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
	৬	DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
		DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
		সপ্তাহ ১৩ – ১	৪ : অভ্যন্তরীণ মূল্যায়ন
		CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
	২		পত্রের ইতিহাস – নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
সপ্তাহ ১৫-১৭		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	৬	DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
সপ্তাহ ১৮		 প	ঠি -পুনর্বিবেচনা ও অনুশীলন
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বাংলা বিভাগ পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০২২-২৩ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ
			শতক – নির্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : চলচ্চিত্রের অ আ ক খ – ধীমান দাশগুপ্ত
	Č	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৫ – ৮	>	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ
			শতক – নিৰ্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	Č	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা
			UNIT 4 : বিনয় মজুমদারের কবিতা
সপ্তাহ ৯ – ১২	>	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্ট্রম – পঞ্চদশ
			শতক – নির্বাচিত অংশ)
	•	CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়
		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন
		SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত
	¢	DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ
		DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ
			কোথায় – আবু সয়ীদ আইয়ুব

			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা			
			UNIT 4 : বিনয় মজুমদারের কবিতা			
	সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন					
	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অষ্টম – পঞ্চদশ			
			শতক – নির্বাচিত অংশ)			
		CC 5	UNIT 3 : বাংলা ছন্দ পরিচয়			
সপ্তাহ ১৫-১৭		CC 5	UNIT 4 : ছন্দলিপি প্রণয়ন			
	٠	SEC 1	UNIT 1 : সিনেমারঅআকখ – ধীমানদাশগুপ্ত			
		DSE 3	UNIT 1: কবিতার কথা – জীবনানন্দ দাশ			
	•	DSE 3	UNIT 2 : আধুনিকতা ও রবীন্দ্রনাথ এবং পথের শেষ			
			কোথায় – আবু সয়ীদ আইয়ুব			
			UNIT 3 : শক্তি চট্টোপাধ্যায় – ৫ টি কবিতা			
			UNIT 4 : বিনয় মজুমদারের কবিতা			
সপ্তাহ ১৮	পাঠ- পুনর্বিবেচনা ও অনুশীলন					
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বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২২-২৩ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক

সপ্তাহ ১৮		'	পাঠ-পুনর্বিবেচনা ও অনুশীলন
		202 0	UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
	9	DSE 4	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
	৬	SEC 2 DSE 4	UNIT 2 : কম্পুটারে বাংলা লিখন UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
সপ্তাহ ১৫-১৭		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
TONE 14 10		00.5	UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
	ર		পত্রের ইতিহাস – নির্বাচিত অংশ
		CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
Т			১৪ : অভ্যন্তরীণ মূল্যায়ন
		DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
	y	DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
		DSE 4	UNIT 1: সন্মার্গ সপর্যা – শম্ভু মিত্র (নির্বাচিত)
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
			পত্রের ইতিহাস – নির্বাচিত অংশ
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িব
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
	৬	DSE 4	UNIT 1: সন্মার্গ সপর্যা – শস্তু মিত্র (নির্বাচিত)
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ)
			পত্রের ইতিহাস – নির্বাচিত অংশ
সপ্তাহ ৫ – ৮	ર	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			UNIT 3 : রবীন্দ্রনাথের কর্ম পরিকল্পনা
		DSE 6	UNIT 1: রবীন্দ্র জীবনকথা – প্রভাতকুমার মুখোপাধ্যায়
	৬	DSE 4	UNIT 1: সন্মাৰ্গ সপৰ্যা – শম্ভু মিত্ৰ (নিৰ্বাচিত)
		SEC 2	UNIT 2 : কম্পুটারে বাংলা লিখন
	J		
	8	CC 8	UNIT 3 : কাব্য কবিতার ইতিহাস (উদ্ভব ও বিকাশ) UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			্যামান ২ , কার করিতার ইতিহাম (উচ্চর ও রিকার্ম)

বাংলাবিভাগ

পাঠপরিকল্পনা : দ্বিতীয় বর্ষ, তৃতীয় বর্ষ বিজোড় সেমেস্টার (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপক জয়ন্ত মিস্ত্রি

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	7	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
		CC 2	UNIT 2 শাক্ত পদাবলি
সপ্তাহ ৫ – ৮	7	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
		CC 2	UNIT 2 শাক্ত পদাবলি
সপ্তাহ ৯ – ১২	7	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
		CC 2	UNIT 2 শাক্ত পদাবলি
		সপ্তাহ ১৩ – ১৪ :	অভ্যন্তরীণমূল্যায়ন
	7	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
সপ্তাহ ১৫-১৭		CC 2	UNIT 2 শাক্ত পদাবলি
সপ্তাহ ১৮	পাঠ-পুনর্বিবেচনা ও অনুশীলন		

বিধাননগরকলেজ

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড়সেমেস্টার (জানুয়ারি – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

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সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٦	CC 4	UNIT 1 : বাংলা নাট্য সাহিত্যের ধারা
			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
সপ্তাহ ৫ – ৮	٤	CC 4	UNIT 1 : বাংলা নাট্য সাহিত্যের ধারা
			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
সপ্তাহ ৯ – ১২	٦	CC 4	UNIT 1 : বাংলা নাট্য সাহিত্যের ধারা
			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	<u> </u>	সপ্তাহ ১৩ – ১৪ :	অভ্যন্তরীণমূল্যায়ন
	2	CC 4	UNIT 1 : বাংলা নাট্য সাহিত্যের ধারা
সপ্তাহ ১৫-১৭			UNIT 3 বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
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সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন		

বাংলাবিভাগ

পাঠপরিকল্পনা : বিজোড় সেমেস্টার (জানুয়ারি – জুন)

২০১৯-২০২০ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের
			অংশবিশেষ)

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			UNIT 2 শাক্ত পদাবলি
	٥	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
সপ্তাহ ৫ – ৮	>	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের
			অংশবিশেষ)
			UNIT 2 শাক্ত পদাবলি
	9	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের
			অংশবিশেষ)
			UNIT 2 শাক্তপদাবলি
সপ্তাহ ৯ –	٥	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
> 2			
	٥	CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
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	>		
		CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের
			অংশবিশেষ)
		সপ্তাহ ১৩ – ১	8 : অভ্যন্তরীণমূল্যায়ন
	_	00.1	
	9	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
			1 1 11 14 1 17
সপ্তাহ ১৫-১৭		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
, - •	٥		
	পাঠ-পুনর্বিবেচনা ও		
	পাঠ-পুনর্বিবেচনা ও অনুশীলন		-
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সপ্তাহ ১৮			
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বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন) ২০১৯-২০২০ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলাকাব্যকবিতারউদ্ভবওবিকাশঅংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 1 : মেঘনাদবধ কাব্য
সপ্তাহ ৫ – ৮	২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 1 : মেঘনাদবধ কাব্য
	৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 1 : মেঘনাদবধকাব্য
		সপ্তাহ :	১৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন
		CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
	২		UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
সপ্তাহ ১৫-১৭			UNIT 1 : মেঘনাদবধকাব্য
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : বিজোড় সেমেস্টার (জানুয়ারি – জুন) ২০২০-২০২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۲	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস
			(অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্ত পদাবলি
	•	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
	Č	CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
			UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস
			(অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্ত পদাবলি
	٥	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	¢		UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
সপ্তাহ ৯ –	>	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস
75			(অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্তপদাবলি
	٥	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	Œ		UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
		সপ্তাহ ১৩ – ১৪ : অভ্য	
	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস

			(অনুবাদ সাহিত্যের অংশবিশেষ)
সপ্তাহ ১৫-১৭	•	CC 6	UNIT 2 শাক্তপদাবলি UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	Œ		UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
সপ্তাহ ১৮		পাঠ -পুনর্বিবেচ•	না ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন) ২০২০-২০২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলাকাব্যকবিতারউদ্ভবওবিকাশঅংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 1 : মেঘনাদবধ কাব্য
	৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
		CC 13	UNIT 4 ; অহমীয়া সাহিত্যের ইতিহাস
সপ্তাহ ৫ – ৮	2	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
			UNIT 1 : মেঘনাদবধ কাব্য
	৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
সপ্তাহ ৯ – ১২	ર	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
			UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ

			UNIT 1 : মেঘনাদবধকাব্য			
	৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর			
		CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ			
	সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন					
		CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা			
	ર		UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ			
		CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ			
সপ্তাহ ১৫-১৭			UNIT 1 : মেঘনাদবধকাব্য			
	৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর			
		CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ			
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন			
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বাংলাবিভাগ পাঠপরিকল্পনা :বিজোড়সেমেস্টার (জানুয়ারি – জুন) ২০২১-২০২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস
			(অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্ত পদাবলি
	٩	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
	¢	CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
			UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
সপ্তাহ ৫ – ৮	۶	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্ত পদাবলি
	٠	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	Č		UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী

সপ্তাহ ৯ – ১২	2	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস (অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্তপদাবলি
	٥	CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
		66.5	AND A TON AND AND AND AND AND AND AND AND AND AN
	¢	CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
			,
		সপ্তাহ ১৩ – ১৪ :	অভান্তরীণমল্যায়ন
	۵	CC 1	UNIT 1 : বাংলা সাহিত্যের ইতিহাস
			(অনুবাদ সাহিত্যের অংশবিশেষ)
			UNIT 2 শাক্তপদাবলি
সপ্তাহ ১৫-১৭		CC 6	UNIT 3 রাজা-রবীন্দ্রনাথ ঠাকুর
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		CC 7	UNIT 1: সাম্য –রবীন্দ্রনাথ ঠাকুর
	Č		UNIT 3 : প্রবন্ধ সংগ্রহ–প্রমথ চৌধুরী
সপ্তাহ ১৮		 পাঠ -পু	্র নর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২১-২০২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
	_		UNIT 3 : বাংলাকাব্যকবিতারউদ্ভবওবিকাশঅংশবিশেষ
	8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ

		UNIT 1 : মেঘনাদবধ কাব্য
৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
	CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
		UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		UNIT 1 : মেঘনাদবধ কাব্য
৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
	CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
	CC 13	UNIT 4 ; অহমীয়া সাহিত্যের ইতিহাস
২	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
		UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
8	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		UNIT 1 : মেঘনাদবধকাব্য
৬	CC 9	UNIT 4: রাশিয়ার চিঠি- রবীন্দ্রনাথ ঠাকুর
	CC 10	UNIT 2: প্রবন্ধ সাহিত্যের প্রকারভেদ
	সং	ধ্বাহ ১৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন
	CC 4	UNIT 1 : বাংলা নাট্যসাহিত্যের ধারা
২		UNIT 3 : বাংলা কাব্য কবিতার উদ্ভব ও বিকাশ অংশবিশেষ
	CC 8	UNIT 4 : একালের কবিতা সঞ্চয়ন - নির্বাচিত অংশ
		UNIT 1 : মেঘনাদবধকাব্য
৬	CC 9	UNIT 4: রাশিয়ারচিঠি- রবীন্দ্রনাথঠাকুর
	CC 10	UNIT 2: প্রবন্ধসাহিত্যেরপ্রকারভেদ
		পাঠ -পুনর্বিবেচনা ও অনুশীলন
	2 8 9 9 2 A	CC 10 CC 10 CC 4 8

বাংলাবিভাগ

পাঠপরিকল্পনা : দ্বিতীয় বর্ষ, তৃতীয় বর্ষ

বিজোড় সেমেস্টার (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপক লিপিকা সাহা

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়	
সপ্তাহ ১ – ৪	۵	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা	
		CC 2	UNIT 3চণ্ডীমঙ্গল	
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 2 : বাংলামঙ্গলকাব্যেরধারা	
		CC 2	UNIT 3চণ্ডীমঙ্গল	
সপ্তাহ ৯ – ১২	۶	CC 1	UNIT 2 : বাংলামঙ্গলকাব্যেরধারা	
		CC 2	UNIT 3চণ্ডীমঙ্গল	
1		সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণমূল্যায়ন	
	۲	CC 1	UNIT 2 : বাংলামঙ্গলকাব্যেরধারা	
		CC 2	UNIT 3চণ্ডীমঙ্গল	
সপ্তাহ ১৫-১৭				
সপ্তাহ ১৮ পাঠ-পুনর্বিবেচনা ও অনুশীলন			-পুনর্বিবেচনা ও অনুশীলন	

বিধাননগরকলেজ

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড়সেমেস্টার (জানুয়ারি – জুন)

২০১৮-২০১৯ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٦	CC 3	UNIT 4 : বাংলা শব্দ ভাণ্ডার

		CC 4	UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
সপ্তাহ ৫ – ৮	2	CC 3	UNIT 4 : বাংলা শব্দ ভাণ্ডার
		CC 3	UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
সপ্তাহ ৯ – ১২	2	CC 4	UNIT 4 : বাংলা শব্দ ভাগুর
		সপ্তাহ ১৩ – ১৪ : ১	অভ্যন্তরীণমূল্যায়ন
	٦	CC 3	UNIT 4 : বাংলা শব্দ ভাণ্ডার
সপ্তাহ ১৫-১৭		CC 4	UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
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সপ্তাহ ১৮	পাঠ-পুনর্বিবেচনা ও অনুশীলন		

বাংলাবিভাগ

পাঠপরিকল্পনা : বিজোড় সেমেস্টার (জানুয়ারি – জুন)

২০১৯-২০২০ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۲	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	•	CC 5	UNIT 1অলঙ্কার সঙ্গার্থ
			UNIT 2 অলঙ্কার নির্ণয়
সপ্তাহ ৫ – ৮	2	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	•	CC 5	UNIT 1অলম্কার সঙ্গার্থ
			UNIT 2 অলম্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক

		CC 7	UNIT 1 : সাম্য	
সপ্তাহ ৯ –	2	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা	
75			UNIT 3চণ্ডীমঙ্গল	
	৩	CC 5	UNIT 1অলঙ্কার সঙ্গার্থ	
			UNIT 2 অলঙ্কার নির্ণয়	
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক	
		CC 7	UNIT 1 : সাম্য	
		সপ্তাহ ১৩ – ১৪ : ড	মভ্যন্তরীণমূল্যায়ন	
	2	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা	
			UNIT 3 চণ্ডীমঙ্গল	
সপ্তাহ ১৫-১৭			UNIT 1অলঙ্কার সঙ্গার্থ	
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			UNIT 2অলঙ্কার নির্ণয়	
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক	
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন			
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বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০১৯-২০২০ শিক্ষাবর্ষ

সেমেস্টার	পত্ৰসংখ্যা	বিষয়
২	CC 4	UNIT 4 : বাংলা শব্দ ভাগ্যার
		UNIT 4 বাংলাকথাসাহিত্যেরউদ্ভবওবিকাশ
8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
	CC 9	UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	CC 10	UNIT-নাটকের রূপভেদ
2	CC 4	UNIT 4 : বাংলা শব্দ ভাণ্ডার
		UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
2	CC 4	UNIT 4 : বাংলা শব্দ ভাগ্রার
		UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণ মূল্যায়ন
	CC 4	UNIT 4 : বাংলা শব্দ ভাগ্রার
২		UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
8		UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
	CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
	CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
	<u>।</u> পাঠ	্র-পুনর্বিবেচনা ও অনুশীলন
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বাংলাবিভাগ

পাঠপরিকল্পনা : বিজোড় সেমেস্টার (জানুয়ারি – জুন)

২০২০-২০২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়

সপ্তাহ ১ – ৪	۶	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	೨	CC 5	UNIT 1অলঙ্কার পরিচয়
			UNIT 2 অলঙ্কার নির্ণয়
	¢	CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
		CC 7	UNIT 1 : সাম্য
সপ্তাহ ৫ – ৮	>	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	٥	CC 5	UNIT 1অলঙ্কার পরিচয়
			UNIT 2 অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	¢	CC 7	UNIT 1 : সাম্য
STOPE S		66.1	LINUT O FROM NAME AND SAFE
সপ্তাহ ৯ –	2	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা UNIT 3চণ্ডীমঙ্গল
5 2		CC F	UNIT এতার্মস্থা UNIT এতাঙ্কার পরিচয়
	•	CC 5	
			UNIT 2 অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	· · · · · ·	CC 7	UNIT 1 : সাম্য
		সপ্তাহ ১৩ – ১৪ : ড	মভ্যন্তরীণমূল্যায়ন
	2	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3 চণ্ডীমঙ্গল
সপ্তাহ ১৫-১৭			UNIT 1অলঙ্কার পরিচয়
, 54 5 1		CC 5	
	9		
			UNIT 2অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	Č	CC 7	UNIT 1 : সাম্য

সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২০-২০২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 4 : বাংলা শব্দ ভাগুর
			UNIT 4 বাংলাকথাসাহিত্যেরউদ্ভবওবিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 9	UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT-নাটকের রূপভেদ
	৬	CC 13	UNIT-4 হিন্দি, সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
সপ্তাহ ৫ – ৮	ર	CC 4	UNIT 4 : বাংলা শব্দ ভাগুর
			UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
	৬	CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা

সপ্তাহ ৯ – ১২	ર	CC 4	UNIT 4 : বাংলা শব্দ ভাগুার
			UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
		সপ্তাহ ১৩ – ১	১৪ : অভ্যন্তরীণ মূল্যায়ন
		CC 4	UNIT 4 : বাংলা শব্দ ভাণ্ডার
	ع		UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকা শ
		CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
সপ্তাহ ১৫-১৭			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
সপ্তাহ ১৮			
1014 20		9	পাঠ-পুনর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : বিজোড় সেমেস্টার (জানুয়ারি – জুন)

২০২১-২০২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۶	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	৩	CC 5	UNIT 1অলম্কার সঙ্গার্থ

			UNIT 2 অলঙ্কার নির্ণয়
	Č	CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
		CC 7	UNIT 1 : সাম্য
সপ্তাহ ৫ – ৮	٥	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3চণ্ডীমঙ্গল
	٩	CC 5	UNIT 1অলঙ্কার সঙ্গার্থ
			UNIT 2 অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	¢	CC 7	UNIT 1 : সাম্য
সপ্তাহ ৯ –	ک	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
\2 \2	•	CC 1	UNIT 3চণ্ডীমঙ্গল
	•	CC 5	UNIT 1অলম্বার সঙ্গার্থ
			UNIT 2 অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	œ	CC 7	UNIT 1 : সাম্য
		সপ্তাহ ১৩ – ১৪ :	,
	ک	CC 1	UNIT 2 : বাংলা মঙ্গল কাব্যের ধারা
			UNIT 3 চণ্ডীমঙ্গল
সপ্তাহ ১৫-১৭			UNIT 1অলঙ্কার সঙ্গার্থ
	<u> </u>	CC 5	
			UNIT 2অলঙ্কার নির্ণয়
		CC 6	UNIT 2: কৃষ্ণকুমারীনাটক
	Œ	CC 7	UNIT 1 : সাম্য
সপ্তাহ ১৮		পাঠ-পু	- নর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন) ২০২১-২০২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 4 : বাংলা শব্দ ভাগুার
			UNIT 4 বাংলাকথাসাহিত্যেরউদ্ভবওবিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 9	UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT-নাটকের রূপভেদ
	৬	CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
সপ্তাহ ৫ – ৮	2	CC 4	UNIT 4 : বাংলা শব্দ ভাগ্তার
			UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
	৬	CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 4 : বাংলা শব্দ ভাণ্ডার
			UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
	8	CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর

	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
		সপ্তাহ ১৩	_ ১৪ : অভ্যন্তরীণ মূল্যা য়ন
		CC 4	UNIT 4 : বাংলা শব্দ ভাগুর
	২		UNIT 4 বাংলা কথাসাহিত্যের উদ্ভব ও বিকাশ
		CC 8	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
সপ্তাহ ১৫-১৭			UNIT 1 : ঘরেবাইরে উপন্যাস-রবীন্দ্রনাথ ঠাকুর
	৬	CC 9	UNIT-নাটকের রূপভেদ
		CC 10	UNIT 2 সঞ্চয়িতা কাবসংকলনের অংশবিশেষ
		CC 13	UNIT-4 হিন্দি সাহিত্যের ইতিহাস
		CC 14	UNIT 1: ইংল্যাণ্ডে বঙ্গমহিলা
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা :বিজোড়সেমেস্টার (জুলাই – ডিসেম্বর)

২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – ড. দীপঙ্কর ভট্টাচার্য

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 1	UNIT 2 : বাংলা মঙ্গলকাব্যের ধারা – পরিচয়, উৎস, মনসা
	9	CC 6	UNIT 3 : রাজা – রবীন্দ্রনাথ ঠাকুর

		CC 7	UNIT 1 : সাম্য – বঙ্কিমচন্দ্র চট্টোপাধ্যায়(ভূমিকা, পরিচ্ছেদ –
			۵)
		GE 3	UNIT 2 : স্বামীজীকে যেরূপ দেখিয়াছি – ভগিনী নিবেদিতা
			(ভূমিকা, পরি – ১-২)
	œ	CC 12	UNIT 3: স্বাধীনতা পূর্ববর্তী বাংলা ছোটগল্প (২ টি)
		DSE 2	UNIT 3 : পঞ্চভূত - রবীন্দ্রনাথ ঠাকুর (ভূমিকা, পরিচয়,
			সৌন্দর্যের সম্বন্ধ)
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 2 : বাংলা মঙ্গলকাব্যের ধারা – চণ্ডী
	٥	CC 6	UNIT 3 : রাজা – রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1 : সাম্য – বঙ্কিমচন্দ্র চট্টোপাধ্যায় (পরি ২)
		GE 3	UNIT 2 : স্বামীজীকে যেরূপ দেখিয়াছি – ভগিনী নিবেদিতা
			(পরি ৩ - ১০)
	Č	CC 12	UNIT 3: স্বাধীনতা পূর্ববর্তী বাংলা ছোটগল্প (৪ টি)
		DSE 2	UNIT 3 : পঞ্চভূত - রবীন্দ্রনাথ ঠাকুর
সপ্তাহ ৯ – ১২	2	CC 1	UNIT 2 : বাংলা মঙ্গলকাব্যের ধারা – ধর্ম
	৩	CC 6	UNIT 3 : রাজা – রবীন্দ্রনাথ ঠাকুর
		CC 7	UNIT 1 : সাম্য – বঙ্কিমচন্দ্র চট্টোপাধ্যায় (পরি ৩)
		GE 3	UNIT 2 : স্বামীজীকে যেরূপ দেখিয়াছি – ভগিনী নিবেদিতা
			(পরি ১১ - ১৬)
	¢	CC 12	UNIT 3: স্বাধীনতা পূর্ববর্তী বাংলা ছোটগল্প (২ টি)
		DSE 2	UNIT 3 : পঞ্চভূত - রবীন্দ্রনাথ ঠাকুর
		সপ্তাহ ১৩ – :	১৪ : অভ্যন্তরীণমূল্যায়ন
	۵	CC 1	UNIT 2 : বাংলা মঙ্গলকাব্যের ধারা – শিবায়ন, অন্নদা
		CC 6	UNIT 3 : রাজা – রবীন্দ্রনাথ ঠাকুর
সপ্তাহ ১৫-১৭	•	CC 7	UNIT 1 : সাম্য – বঙ্কিমচন্দ্র চট্টোপাধ্যায় (পরি ৪ ও পাঠ
			সমাপ্তি)
		GE 3	UNIT 2 : স্বামীজীকে যেরূপ দেখিয়াছি – ভগিনী নিবেদিতা
			(অবশিষ্টাংশ)
	Č	CC 12	UNIT 3: স্বাধীনতা পূর্ববর্তী বাংলা ছোটগল্প (২ টি)
		DSE 2	UNIT 3 : পঞ্চভূত - রবীন্দ্রনাথ ঠাকুর
সপ্তাহ ১৮		9	শাঠ-পুনর্বিবেচনা ও অনুশীলন



বাংলাবিভাগ

পাঠপরিকল্পনা : জোড়সেমেস্টার (জানুয়ারি – জুন)

২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – ড. দীপঙ্কর ভট্টাচার্য

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক পত্রের ইতিহাস
		AECC	সহজ পাঠ - রবীন্দ্রনাথ ঠাকুর
	8	CC 9	UNIT 1 : ঘরে বাইরে - রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2 : বাংলা কথাসাহিত্যের রূপভেদ
	৬	CC 14	UNIT 2: য়ুরোপ প্রবাসীর পত্র - রবীন্দ্রনাথ ঠাকুর
		CC 14	UNIT 4: হে পূর্ণ তব চরণের কাছে – নবনীতা দেবসেন
সপ্তাহ ৫ – ৮	ર	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক পত্রের ইতিহাস
		AECC	সহজ পাঠ - রবীন্দ্রনাথ ঠাকুর
	8	CC 9	UNIT 1 : ঘরে বাইরে - রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2 : বাংলা কথাসাহিত্যের রূপভেদ
	৬	CC 14	UNIT 2: য়ুরোপ প্রবাসীর পত্র - রবীন্দ্রনাথ ঠাকুর
		CC 14	UNIT 4: হে পূর্ণ তব চরণের কাছে – নবনীতা দেবসেন
সপ্তাহ ৯ – ১২	২	CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
			পত্রের ইতিহাস
_		AECC	সহজ পাঠ - রবীন্দ্রনাথ ঠাকুর
	8	CC 9	UNIT 1 : ঘরে বাইরে - রবীন্দ্রনাথ ঠাকুর
		CC 10	UNIT 2 : বাংলা কথাসাহিত্যের রূপভেদ
	৬	CC 14	UNIT 2: য়ুরোপ প্রবাসীর পত্র - রবীন্দ্রনাথ ঠাকুর
		CC 14	UNIT 4: হে পূর্ণ তব চরণের কাছে – নবনীতা দেবসেন
		সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণমূল্যায়ন
		CC 4	UNIT 1 : বাংলা গদ্য ও প্রবন্ধসাহিত্যের ধারা এবং সাময়িক
	২		পত্রের ইতিহাস
		AECC	সহজ পাঠ - রবীন্দ্রনাথ ঠাকুর
সপ্তাহ ১৫-১৭		CC 9	UNIT 1 : ঘরে বাইরে - রবীন্দ্রনাথ ঠাকুর
	8	CC 10	UNIT 2 : বাংলা কথাসাহিত্যের রূপভেদ
	৬	CC 14	UNIT 2: য়ুরোপ প্রবাসীর পত্র - রবীন্দ্রনাথ ঠাকুর
		CC 14	UNIT 4: হে পূর্ণ তব চরণের কাছে – নবনীতা দেবসেন

সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন

বাংলাবিভাগ

পাঠপরিকল্পনা :বিজোড়সেমেস্টার (জুলাই – ডিসেম্বর) ২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকদেবপ্রিয়ভট্টাচার্য

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	۲	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : পদাবলি,শাক্তপদাবলি।
		CC 2	UNIT 2 : শাক্তপদাবলি
	9	CC 5	UNIT 1 : বাংলাঅলঙ্কার
		CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর (পরমানুলোক)
		GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী (পরিচ্ছেদ ৭-৮)
	¢	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত ২টি)
		DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত –বঙ্ক্ষিমচন্দ্রচট্টোপাধ্যায়
সপ্তাহ৫ – ৮	>	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : পদাবলি, শাক্তপদাবলি।
		CC 2	UNIT 2 : শাক্তপদাবলি
	•	CC 5	UNIT 1 : বাংলাঅলঙ্কার
		CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর (নক্ষত্রলোক, সৌরজগৎ)
		GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী (পরিচ্ছেদ৯-১১)
	Č	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত ৩ টি)
		DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচট্টোপাধ্যায়
সপ্তাহ৯ – ১২	>	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : চৈতন্যজীবনী
		CC 2	UNIT 2 : শাক্তপদাবলি
	9	CC 5	UNIT 1 : বাংলাঅলঙ্কার

	CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর(গ্রহলোক, ভূলোক)
	GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী(পরিচ্ছেদ১১-১২)
¢	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত৩টি)
	DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচট্টোপাধ্যায়
সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন		
۶	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : চৈতন্যজীবনী
	CC 2	UNIT 2 : শাক্তপদাবলি
	CC 5	UNIT 1 : বাংলাঅলঙ্কার
৩	CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর (উপসংহার)
	GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী(পরিচ্ছেদ১৩)
Œ	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত২টি)
	DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচটোপাধ্যায়
সপ্তাহ ১৮		পাঠ-পুনর্বিবেচনা ও অনুশীলন
	٥	GE 3 CC 12 DSE 2 সপ্তাহ ১৩ CC 1 CC 2 CC 5 CC 7 GE 3 C CC 12



বাংলাবিভাগ

পাঠপরিকল্পনা : জোড়সেমেস্টার (জানুয়ারি – জুন)

২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকদেবপ্রিয়ভট্টাচার্য

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 3	UNIT 3 : স্বরধ্বনি ও ব্যঞ্জনধ্বনি - পরিচয়
		CC 2	UNIT 3 : ধ্বনিপরিবর্তন
		AECC	বাংলাব্যাকরণ (পদপরিচয়, পদান্তর)
	8	CC 10	UNIT 1 : কাব্যেররূপভেদ
		CC 10	UNIT 3 : কাব্যজিজ্ঞাসা – অতুলচন্দ্রগুপ্ত (রস)
		GE 4	UNIT 1 : বাংলাশিশু ও কিশোরসাহিত্যেরইতিহাস
	y	CC 13	UNIT 4: হিন্দিসাহিত্যেরইতিহাস
		DSE 3	UNIT 4: শঙ্খঘোষেরকবিতা (১ টি)
সপ্তাহ ৫ – ৮	২	CC 3	UNIT 3 : স্বরধ্বনি ও ব্যঞ্জনধ্বনি, বর্গীকরণ
		CC 3	UNIT 4 : শব্দভাগার
		AECC	বাংলাব্যাকরণ (সমাস, ক্রিয়া)
	8	CC 10	UNIT 1 : কাব্যেররূপভেদ
		CC 10	UNIT 3 : কাব্যজিজ্ঞাসা – অতুলচন্দ্রগুপ্ত (ধ্বনি)
		GE 4	UNIT 1 : বাংলাশিশু ও কিশোরসাহিত্যেরইতিহাস
	৬	CC 13	UNIT 4: হিন্দিসাহিত্যেরইতিহাস

		DSE 3	UNIT 4: শঙ্খঘোষেরকবিতা (২ টি)
Total			
সপ্তাহ ৯ – ১২	২	CC 3	UNIT 3 : স্বরধ্বনি ও ব্যঞ্জনধ্বনি, বর্গীকরণ
		CC 3	UNIT 4 : শব্দার্থপরিবর্তন
		AECC	বাংলাব্যাকরণ (ক্রিয়ারকাল, বাংলাবানানচর্চা)
	8	CC 10	UNIT 1 : কাব্যেররূপভেদ
		CC 10	UNIT 3 : কাব্যজিজ্ঞাসা – অতুলচন্দ্রগুপ্ত (রস ও ধ্বনি)
		GE 4	UNIT 1 : বাংলাশিশু ও কিশোরসাহিত্যেরইতিহাস
	৬	CC 13	UNIT 4: হিন্দিসাহিত্যেরইতিহাস
		DSE 3	UNIT 4: শঙ্খঘোষেরকবিতা (২ টি)
		সপ্তাহ ১৩	– ১৪ : অভ্যন্তরীণমূল্যায়ন
		CC 3	UNIT 3 : স্বরধ্বনি ও ব্যঞ্জনধ্বনি, বর্গীকরণ
	২	CC 3	UNIT 4 : শব্দার্থপরিবর্তন
		AECC	বাংলাব্যাকরণ (ক্রিয়ারকাল, বাংলাবানানচর্চা)
সপ্তাহ ১৫-১৭		CC 10	UNIT 1 : কাব্যেররূপভেদ
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা – অতুলচন্দ্রগুপ্ত (কথা ও ফল)
		GE 4	UNIT 1 : বাংলাশিশু ও কিশোরসাহিত্যেরইতিহাস
	৬	CC 13	UNIT 4: হিন্দিসাহিত্যেরইতিহাস
		DSE 3	UNIT 4: শঙ্খঘোষেরকবিতা (১-৫ প্রশ্ন ও উত্তরআলোচনা)
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন
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পাঠপরিকল্পনা :বিজোড়সেমেস্টার (জুলাই – ডিসেম্বর) ২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপক অমরেশ মণ্ডল

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 2	UNIT 2 : প্রাগাধুনিক বাংলা সাহিত্য
			, চণ্ডীমঙ্গল কাব্য, আখেটিক খণ্ড
	೨	CC 7	UNIT 3 : প্রমথ চৌধুরী, প্রবন্ধসংগ্রহ ,নির্বাচিত অংশ
	¢	CC 11	UNIT 2: শ্রৎচন্দ্রের পথের দাবী
		CC 12	UNIT 4 : স্বাধীনতা পরবর্তী ছোট গল্প(১০টি)
		DSE 3:	UNIT 3 : শক্তি চট্টোপাধ্যায়ের নির্বাচিত কবিতা

সপ্তাহ৫ – ৮	۵	CC 2	UNIT 2 : প্রাগাধুনিক বাংলা সাহিত্য
19144 - 0	٠	CC 2	, চণ্ডীমঙ্গল কাব্য, আখেটিক খণ্ড
_			
	•	CC 7	UNIT 3 : প্রমথ চৌধুরী, প্রবন্ধসংগ্রহ ,নির্বাচিত অংশ
	¢	CC 11	UNIT 2: শ্রৎচন্দ্রের পথের দাবী
		CC 12	UNIT 4 : স্বাধীনতা পরবর্তী ছোট গল্প(১০টি)
		DSE 3:	UNIT 3 : শক্তি চট্টোপাধ্যায়ের নির্বাচিত কবিতা
সপ্তাহ৯ – ১২	۵	CC 2	UNIT 2 : প্রাগাধুনিক বাংলা সাহিত্য
			, চণ্ডীমঙ্গল কাব্য, আখেটিক খণ্ড
	•	CC 7	UNIT 3 : প্রমথ চৌধুরী, প্রবন্ধসংগ্রহ ,নির্বাচিত অংশ
	¢	CC 11	UNIT 2: শ্রৎচন্দ্রের পথের দাবী
		CC 12	UNIT 4 : স্বাধীনতা পরবর্তী ছোট গল্প(১০টি)
		DSE 3:	UNIT 3 : শক্তি চট্টোপাধ্যায়ের নির্বাচিত কবিতা
·		সপ্তাহ ১৩ –	১৪ : অভ্যন্তরীণমূল্যায়ন
	۵		UNIT 2 : প্রাগাধুনিক বাংলা সাহিত্য
			, চণ্ডীমঙ্গল কাব্য, আখেটিক খণ্ড
	৩	CC 7	UNIT 3 : প্রমথ চৌধুরী, প্রবন্ধসংগ্রহ ,নির্বাচিত অংশ
সপ্তাহ ১৫-১৭	¢	CC 11	UNIT 2: শ্রৎচন্দ্রের পথের দাবী
		CC 12	UNIT 4 : স্বাধীনতা পরবর্তী ছোট গল্প(১০টি)
সপ্তাহ ১৮		•	পাঠ-পুনর্বিবেচনা ও অনুশীলন

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
3	2	CC 2	UNIT 2 : প্রাগাধুনিক বাংলা সাহিত্য
			, চণ্ডীমঙ্গল কাব্য, আখেটিক খণ্ড
	9	CC 7	UNIT 3 : প্রমথ চৌধুরী, প্রবন্ধসংগ্রহ ,নির্বাচিত অংশ
	Č	CC 11	UNIT 2: শ্রৎচন্দ্রের পথের দাবী
		CC 12	UNIT 4 : স্বাধীনতা পরবর্তী ছোট গল্প(১০টি)

		DSE 3:	UNIT 3 : শক্তি চট্টোপাধ্যায়ের নির্বাচিত কবিতা
সপ্তাহ৫ – ৮	۵	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : পদাবলি, শাক্তপদাবলি।
	9	CC 5	UNIT 1 : বাংলাঅলঙ্কার
	Č	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত ৩ টি)
		DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচট্টোপাধ্যায়
সপ্তাহ৯ – ১২	2	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : চৈতন্যজীবনী
	1	CC 2	UNIT 2 : শাক্তপদাবলি
	9	CC 5	UNIT 1 : বাংলাঅলঙ্কার
		CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর(গ্রহলোক, ভূলোক)
		GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী(পরিচ্ছেদ১১-১২)
	¢	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত ৩ টি)
		DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচট্টোপাধ্যায়
		সপ্তাহ ১৩	– ১৪ : অভ্যন্তরীণমূল্যায়ন
	2	CC 1	UNIT 4 :বাংলাসাহিত্যেরইতিহাস : চৈতন্যজীবনী
		CC 2	UNIT 2 : শাক্তপদাবলি
সপ্তাহ ১৫-১৭		CC 5	UNIT 1 : বাংলাঅলঙ্কার
	৩	CC 7	UNIT 2 : বিশ্বপরিচয় – রবীন্দ্রনাথঠাকুর (উপসংহার)
		GE 3	UNIT 3 : আত্মপরিচয় – শিবনাথশাস্ত্রী(পরিচ্ছেদ১৩)
	¢	CC 12	UNIT 1: ছোটগল্প – রবীন্দ্রনাথঠাকুর (নির্বাচিত২টি)
		DSE 2	UNIT 1 : মুচিরামগুড়েরজীবনচরিত – বঙ্কিমচন্দ্রচট্টোপাধ্যায়
সপ্তাহ ১৮			পাঠ-পুনর্বিবেচনা ও অনুশীলন



বাংলাবিভাগ

পাঠপরিকল্পনা : জোড়সেমেস্টার (জানুয়ারি – জুন)

২০২২-২৩ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপক অমরেশ মণ্ডল

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٤	CC 4	UNIT 2 : বাংলা নাট্য সাহিত্যের উদ্ভব ও বিকাশের ইতিহাস
	8	CC 8	UNIT 1 : মেঘনাদবধ কাব্য ১-৬ সর্গ
		CC 9	UNIT 4 : রবীন্দ্রনাথের 'রাশিয়ার চিঠি'
	৬	CC 14	UNIT 1: কৃষ্ণভামিণী দেবী, ইংল্যাণ্ডে বঙ্গমহিলা
		DSE 4	UNIT 4: ফুল্লকেতুর পালা নাটক
সপ্তাহ ৫ – ৮	2	CC 4	UNIT 2 : বাংলা নাট্য সাহিত্যের উদ্ভব ও বিকাশের ইতিহাস
	8	CC 8	UNIT 1 : মেঘনাদবধ কাব্য ১-৬ সর্গ

		CC 9	UNIT 4 : রবীন্দ্রনাথের 'রাশিয়ার চিঠি'			
	৬	CC 14	UNIT 1: কৃষ্ণভামিণী দেবী, ইংল্যাণ্ডে বঙ্গমহিলা			
		DSE 4	UNIT 4: ফুল্লকেতুর পালা নাটক			
সপ্তাহ ৯ – ১২	a a	CC 4	UNIT 2 : বাংলা নাট্য সাহিত্যের উদ্ভব ও বিকাশের ইতিহাস			
	8	CC 8	UNIT 1 : মেঘনাদবধ কাব্য ১-৬ সর্গ			
		CC 9	UNIT 4 : রবীন্দ্রনাথের 'রাশিয়ার চিঠি'			
	৬	CC 14	UNIT 1: কৃষ্ণভামিণী দেবী, ইংল্যাণ্ডে বঙ্গমহিলা			
		DSE 4	UNIT 4: ফুল্লকেতুর পালা নাটক			
	সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণমূল্যায়ন					
		CC 4	UNIT 2 : বাংলা নাট্য সাহিত্যের উদ্ভব ও বিকাশের			
	ર		ইতিহাস			
		CC 8	UNIT 1 : মেঘনাদবধ কাব্য ১-৬ সর্গ			
সপ্তাহ ১৫-১৭		CC 9	UNIT 4 : রবীন্দ্রনাথের 'রাশিয়ার চিঠি'			
	৬	CC 14	UNIT 1: কৃষ্ণভামিণী দেবী, ইংল্যাণ্ডে বঙ্গমহিলা			
		DSE 4	UNIT 4: ফুল্লকেতুর পালা নাটক			
সপ্তাহ ১৮	াহ ১৮ পাঠ-পুনর্বিবেচনা ও অনুশীলন		নৰ্বিবেচনা ও অনুশীলন			
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বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর) ২০২০ - ২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	>	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	٩	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	Č	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	٩	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
		CC 11	UNIT 1: রাজসিংহ
	Č		UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৯ – ১২	۶	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	•	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	¢	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
		সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণমূল্যায়ন
	۵	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
		CC 5	UNIT 2 : কৃষ্ণকুমারী
সপ্তাহ ১৫-১৭	9	CC 7	UNIT 4 : আপন কথা
	¢	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন		



বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২০ - ২১ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	২	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত
সপ্তাহ ৫ – ৮	২	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত
সপ্তাহ ৯ – ১২	২	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত
,		সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণ মূল্যায়ন
		CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
		CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর

৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
	DSE 4	UNIT 2 : চন্দ্রগুপ্ত



বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর)

২০২১ - ২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্রসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	9	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	¢	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৫ – ৮	۵	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	•	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	_	CC 11	UNIT 1: রাজসিংহ
	¢		UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৯ – ১২	۵	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	٥	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	¢	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
1		সপ্তাহ ১৩ – ১৪	: অভ্যন্তরীণমূল্যায়ন
	۵	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
		CC 5	UNIT 2 : কৃষ্ণকুমারী

সপ্তাহ ১৫-১৭	৩	CC 7	UNIT 4 : আপন কথা
	•	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন		্বিবেচনা ও অনুশীলন



বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২১ - ২২ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	ર	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত
সপ্তাহ ৫ – ৮	ર	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত
সপ্তাহ ৯ – ১২	ર	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা
			UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস

	DSE 4	UNIT 2 : চন্দ্রগুপ্ত	Ì
সপ্তাহ ১৩ – ১৪ : অভ্যন্তরীণ মূল্যায়ন			
	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস	
		UNIT 2 : বাংলা ভাষার উপভাষা	
	CC 10	UNIT 3 : কাব্যজিজ্ঞাসা	
		UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর	
৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস	
	DSE 4	UNIT 2 : চন্দ্রগুপ্ত	



বাংলা বিভাগ

পাঠ পরিকল্পনা : বিজোড় সেমেস্টার (জুলাই – ডিসেম্বর)

২০২২ - ২৩ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	2	CC 1	UNIT 4 : বৈশ্বৰ পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	9	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	Œ	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৫ – ৮	۶	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	9	CC 5	UNIT 2 : কৃষ্ণকুমারী
		CC 7	UNIT 4 : আপন কথা
	Α.	CC 11	UNIT 1: রাজসিংহ
	¢		UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ৯ – ১২	2	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
	9	CC 5	UNIT 2 : কৃষ্ণকুমারী

		CC 7	UNIT 4 : আপন কথা
	œ	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
		সপ্তাহ ১৩ – ১৪ : দ	মভ্যন্তরীণমূল্যায়ন
	2	CC 1	UNIT 4 : বৈষ্ণব পদাবলি, চৈতন্যজীবনী, নাথ সাহিত্য
		CC 5	UNIT 2 : কৃষ্ণকুমারী
সপ্তাহ ১৫-১৭	9	CC 7	UNIT 4 : আপন কথা
	¢	CC 11	UNIT 1: রাজসিংহ
			UNIT 1: পদ্মানদীর মাঝি
সপ্তাহ ১৮	পাঠ -পুনর্বিবেচনা ও অনুশীলন		



বাংলা বিভাগ

পাঠ পরিকল্পনা : জোড় সেমেস্টার (জানুয়ারি – জুন)

২০২২ - ২৩ শিক্ষাবর্ষ

সপ্তাহ	সেমেস্টার	পত্ৰসংখ্যা	বিষয়
সপ্তাহ ১ – ৪	٧	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্ৰগুপ্ত
সপ্তাহ ৫ – ৮	ų	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস
			UNIT 2 : বাংলা ভাষার উপভাষা
	8	CC 10	UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর
	y	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস
		DSE 4	UNIT 2 : চন্দ্ৰগুপ্ত

সপ্তাহ ৯ – ১২	২	CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস	
			UNIT 2 : বাংলা ভাষার উপভাষা	
	8	CC 10	UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর	
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস	
		DSE 4	UNIT 2 : চন্দ্রগুপ্ত	1
		সপ্তাহ ১৩ – ১৪ : ত	ভ্যন্তরীণ মূল্যায়ন	
		CC 3	UNIT 1 : ভারতীয় আর্যভাষার বিবর্তনের ইতিহাস	
			UNIT 2 : বাংলা ভাষার উপভাষা	
		CC 10	UNIT 4 : সাহিত্য – রবীন্দ্রনাথ ঠাকুর	
	৬	CC 13	UNIT 2: ইংরিজি সাহিত্যের ইতিহাস	
		DSE 4	UNIT 2: চন্দ্রগুপ্ত	

বিধাননগরকলেজ বাংলাবিভাগ

পাঠপরিকল্পনা :দ্বিতীয়বর্ষ, তৃতীয়বর্ষ (পুরাতন বার্ষিক পাঠ্যক্রম) (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকজয়ন্তমিস্ত্রি

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪	২য় বর্ষসাম্মানিক	শাক্তপদাবলি
	৩য় বর্ষসাম্মানিক	সঞ্চিতা,অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
সপ্তাহ৫ –৮	২য়বর্ষসাম্মানিক	শাক্তপদাবলি
	৩য় বর্ষসাম্মানিক	সঞ্চিতা, অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
সপ্তাহ৯ –১২	২য়বর্ষসাম্মানিক	মুক্তধারা, টিনেরতলোয়ার
	৩য় বর্ষসাম্মানিক	সঞ্চিতা, অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
সপ্তাহ ১৩	২য় বর্ষসাম্মানিক	মুক্তধারা, টিনেরতলোয়ার
	৩য় বর্ষসাম্মানিক	সঞ্চিতা, অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
সপ্তাহ ১৪– ১৫	২য় বর্ষসাম্মানিক	মুক্তধারা, টিনেরতলোয়ার
	৩য় বর্ষসাম্মানিক	সঞ্চিতা, অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
সপ্তাহ ১৬-১৭	২য়বর্ষসাম্মানিক	মুক্তধারা, টিনেরতলোয়ার
	৩য় বর্ষসাম্মানিক	সঞ্চিতা, অরণ্যেরঅধিকার
	২য় বর্ষসাধারণ	মেঘনাদবধকাব্য, পল্লীসমাজ
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :তৃতীয়বর্ষ

(জুলাই – জুন) ২০১৯-২০২০ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকজয়ন্তমিস্ত্রি

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪		
	৩য় বর্ষসাম্মানিক	সঞ্চিতা,অরণ্যেরঅধিকার
সপ্তাহ ৫ –৮		
	৩য় বর্ষসাম্মানিক	সঞ্চিতা,অরণ্যেরঅধিকার
সপ্তাহ ৯ –১২		
	৩য় বর্ষসাম্মানিক	অরণ্যেরঅধিকার, প্রবন্ধনবন্ধেররূপভেদ
সপ্তাহ ১৩		
	৩য় বর্ষসাম্মানিক	প্রবন্ধনিবন্ধেররূপভেদ, অহমীয়াসাহিত্যেরইতিহাস
সপ্তাহ ১৪– ১৫		
	৩য় বর্ষসাম্মানিক	প্রবন্ধনিবন্ধেররূপভেদ, অহমীয়াসাহিত্যেরইতিহাস
সপ্তাহ ১৬-১৭		
	৩য় বর্ষসাম্মানিক	প্রবন্ধনিবন্ধেররূপভেদ, অহমীয়াসাহিত্যেরইতিহাস
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :দ্বিতীয়বর্ষ, তৃতীয়বর্ষ (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকউদয়শঙ্করবর্মা

সপ্তাহ	वर्ष	বিষয়
সপ্তাহ ১ – ৪	২য় বর্ষসাম্মানিক	ছন্দেরপরিচয় ও ছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরকবিতাসঞ্চয়ন, সংস্কৃতসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	ছন্দেরপরিচয়ওছন্দনির্ণয়

সপ্তাহ ৫ –৮	২য়বর্ষসাম্মানিক	ছন্দেরপরিচয়ওছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরকবিতাসঞ্চয়ন, সংস্কৃতসাহিত্যেরইতিহাস
	২্য় বর্ষসাধারণ	ছন্দেরপরিচয়ওছন্দনির্ণয়
সপ্তাহ ৯ –১২	২য়বর্ষসাম্মানিক	ছন্দেরপরিচয়ওছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরকবিতাসঞ্চয়ন, সংস্কৃতসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	একালেরকবিতাসঞ্চয়ন
সপ্তাহ ১৩	২য় বর্ষসাম্মানিক	ছন্দেরপরিচয়ওছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরপ্রবন্ধসঞ্চয়ন, একালেরসমালোচনাসঞ্চয়ন
	২য় বর্ষসাধারণ	একালেরকবিতাসঞ্চয়ন
সপ্তাহ ১৪– ১৫	২য় বর্ষসাম্মানিক	ছন্দেরপরিচয়ওছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরপ্রবন্ধসঞ্চয়ন, একালেরসমালোচনাসঞ্চয়ন
	২য় বর্ষসাধারণ	একালেরকবিতাসঞ্চয়ন
সপ্তাহ ১৬-১৭	২য় বর্ষসাম্মানিক	ছন্দেরপরিচয়ওছন্দনির্ণয়
	৩য় বর্ষসাম্মানিক	একালেরপ্রবন্ধসঞ্চয়ন, একালেরসমালোচনাসঞ্চয়ন
	২য় বর্ষসাধারণ	একালেরকবিতাসঞ্চয়ন
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :তৃতীয়বর্ষ (জুলাই – জুন) ২০১৯-২০২০ শিক্ষাবর্ষ,

শিক্ষকেরনাম – অধ্যাপকঅধ্যাপকউদয়শঙ্করবর্মা

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪		একালেরকবিতাসঞ্চয়ন, একালেরসমালোচনাসঞ্চয়ন
সপ্তাহ ৫ –৮		একালেরকবিতাসঞ্চয়,একালেরসমালোচনাসঞ্চয়ন
সপ্তাহ ৯ –১২		একালেরকবিতাসঞ্চয়ন,,একালেরসমালোচনাসঞ্চয়ন,
সপ্তাহ ১৩		সংস্কৃতসাহিত্যেরইতিহাস, একালেরপ্রবন্ধসঞ্চয়ন

সপ্তাহ ১৪– ১৫	সংস্কৃতসাহিত্যেরইতিহাসএকালেরপ্রবন্ধসঞ্চয়ন
সপ্তাহ ১৬-১৭	সংস্কৃতসাহিত্যেরইতিহাসএকালেরপ্রবন্ধসঞ্চয়ন
পুনরালোচনা	

বিধাননগরকলেজ, বাংলাবিভাগ পাঠপরিকল্পনা :দ্বিতীয়বর্ষ, তৃতীয়বর্ষ (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকলিপিকাসাহা

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪	২য় সাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	কাব্যেররূপভেদ, শৈলীবিচার
	২য় বর্ষসাধারণ	একালেরছোটগল্প, পুনশ্চ-রবীন্দ্রনাথঠাকুর
সপ্তাহ ৫ –৮	২য়বর্ষসাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	কাব্যেররূপভেদ, শৈলীবিচার
	২য় বর্ষসাধারণ	একালেরছোটগল্প, পুনশ্চ-রবীন্দ্রনাথঠাকুর
সপ্তাহ ৯ –১২	২য়বর্ষসাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	কাব্যেররূপভেদ, শৈলীবিচার
	২য় বর্ষসাধারণ	একালেরছোটগল্প, পুনশ্চ-রবীন্দ্রনাথঠাকুর
সপ্তাহ ১৩	২য় বর্ষসাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ,
		হিন্দিসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	একালেরছোটগল্প, পুনশ্চ-রবীন্দ্রনাথঠাকুর
সপ্তাহ ১৪– ১৫	২য় বর্ষসাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ,
		হিন্দিসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	একালেরছোটগল্প, পুনশ্চ-রবীন্দ্রনাথঠাকুর
সপ্তাহ ১৬-১৭	২য় বর্ষসাম্মানিক	অলঙ্কার, নাটকেরূপভেদ
	৩য় বর্ষসাম্মানিক	একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ

	২য় বর্ষসাধারণ	একালেরছোটগল্প,পুনশ্চ-রবীন্দ্রনাথঠাকুর
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :তৃতীয়বর্ষ (জুলাই – জুন) ২০১৯-২০২০ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকলিপিকাসাহা

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪		কাব্যেররূপভেদ, কাব্যেরশৈলীবিচার
সপ্তাহ ৫ –৮		কাব্যেররূপভেদ, কাব্যেরশৈলীবিচার
সপ্তাহ ৯ –১২		কাব্যেররূপভেদ, কাব্যেরশৈলীবিচার
সপ্তাহ ১৩		একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ, হিন্দিসাহিত্যেরইতিহাস
সপ্তাহ ১৪– ১৫		একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ, হিন্দিসাহিত্যেরইতিহাস
সপ্তাহ ১৬-১৭		একালেরগল্পসঞ্চয়ন-প্রাকস্বাধীনতাযুগ, স্বাধীনতা-উত্তরযুগ, হিন্দিসাহিত্যেরইতিহাস
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :দ্বিতীয়বর্ষ, ভৃতীয়বর্ষ (জুলাই – জুন) ২০১৮-২০১৯ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকতপশ্রীচট্টোপাধ্যায়

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪	২য় বর্ষসাম্মানিক	বৈষ্ণবপদাবলি, শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	বীরাঙ্গনা,গল্পগুচ্ছ
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজা ও রাণী

সপ্তাহ ৫ –৮	২য়বর্ষসাম্মানিক	বৈষ্ণবপদাবলি, শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	বীরাঙ্গনা, গল্পগুচ্ছ
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজাওরাণী
সপ্তাহ ৯ –১২	২য়বর্ষসাম্মানিক	বৈষ্ণবপদাবলি, শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	বীরাঙ্গনা, গল্পগুচ্ছ
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজাওরাণী
সপ্তাহ ১৩	২য় বর্ষসাম্মানিক	বৈষ্ণবপদাবলি,শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজাওরাণী
সপ্তাহ ১৪– ১৫	২য় বর্ষসাম্মানিক	বৈষ্ণবপদাবলি, শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজাওরাণী
সপ্তাহ ১৬-১৭	২য় বর্ষসাম্মানিক	বৈষ্ণবপদাবলি,শেষেরকবিতা
	৩য় বর্ষসাম্মানিক	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
	২য় বর্ষসাধারণ	বৈষ্ণবপদাবলি, রাজাওরাণী
পুনরালোচনা		

বিধাননগরকলেজ বাংলাবিভাগ পাঠপরিকল্পনা :তৃতীয়বর্ষ (জুলাই – জুন) ২০১৯-২০২০ শিক্ষাবর্ষ

শিক্ষকেরনাম – অধ্যাপকতপশ্রীচট্টোপাধ্যায়

সপ্তাহ	বৰ্ষ	বিষয়
সপ্তাহ ১ – ৪		বীরাঙ্গনা, গল্পগুচ্ছ
সপ্তাহ ৫ –৮		বীরাঙ্গনা, গল্পগুচ্ছ
সপ্তাহ ৯ –১২		বীরাঙ্গনা, গল্পগুচ্ছ

সপ্তাহ ১৩	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
সপ্তাহ ১৪– ১৫	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
সপ্তাহ ১৬-১৭	সোনারতরী, ইংরেজিসাহিত্যেরইতিহাস
পুনরালোচনা	