

<b>DEPARTMENT OF PHYSICS</b>			
<b>LIST FOR FINANCIAL YEAR 2018-19</b>			
<b>Equipments</b>			
<b>Sl. No.</b>	<b>Item</b>	<b>Specification/Make</b>	<b>Quantity</b>
1	Multimeter (Good quality)		10
2	A.C. Voltmeter (digital)	SCIENTIFIC	6
3	A.C. Millivoltmeter (analog multirange)	3mV-30 V, SCIENTIFIC	6
4	Multi range Inductor box (1 mH to 100 mH)	De Tech	10
5	Multi range Capacitor box (0.1 $\mu$ F to 470 $\mu$ F)	De Tech	10
6	Lee's & Charlton expt. Complete set	De Tech	5
7	Thevenine's & Norton's Network theorem verification complete set	SCIENTIFIC	2
8	Cathode Ray Oscilloscope (Systronics) (Dual Trace)	SYSTRONICS	6
9	Lenses (Convex and Concave)- focal lengths-15cms, 20 cms and 25 cms	De Tech	10 nos. For each of focal lengths.
10	Thermometers -10 degrees centigrade to 110 degrees centigrade	Small 1/5	20
11	Thermometers -10 degrees centigrade to 110 degrees centigrade	Small 1/5	20
12	Tuning fork set	Best Quality	4
13	Prism	EDF	10
14	Spectrometer	OSWA Make	5
15	Single Slit	Best Quality	6
16	Double Slit	Best Quality	6
17	Lamp and scale for optical expt. Complete set		6
18	VARIAC (Variable AC VOLT)		10
19	To study the random error in observations of time period of some oscillation using chronometer- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
20	To determine g and velocity for a freely falling body using Digital Timing Technique- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
21	To determine the height of a building using a Sextant- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
22	To determine the elastic constants of a wire by Searle's method- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1

Sl. No.	Item	Specification/Make	Quantity
23	To determine the value of g using Bar Pendulum- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	.1
24	To determine the value of g using Kater's Pendulum- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
25	To study the characteristics of a series RC Circuit- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
26	Measurement of field strength B and its variation in a solenoid (determine dB/dx)- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
27	To determine the frequency of an electric tuning fork by Melde's experiment and verify $\lambda^2 - T$ law- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
28	To study Lissajous Figures to determine the phase difference between two harmonic oscillations- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
29	To determine the thickness of a thin paper by measuring the width of the interference fringes produced by a wedge-shaped Film- Complete experimental set	According to WBSU CBCS syllabus for Physics Hons.	1
30	Platinum resistance thermometer	De Tech	4
31	To determine an unknown Low Resistance using Carey Foster's Bridge - Complete experimental set.	According to WBSU CBCS syllabus for Physics Hons.	1
32	To determine an unknown Low Resistance using Potentiometer - Complete experimental set .	According to WBSU CBCS syllabus for Physics Hons.	1
33	To determine the resistance of a galvanometer using Thomson's method - Complete experimental set.	According to WBSU CBCS syllabus for Physics Hons.	1
34	To investigate the motion of coupled oscillators- Complete experimental set .	According to WBSU CBCS syllabus for Physics Hons.	1
35	To determine the wavelength of sodium source using Michelson's interferometer- Complete experimental set.	According to WBSU CBCS syllabus for Physics Hons.	1

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**Chemicals & Glass wares**

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<b>Sl. No.</b>	<b>Item</b>	<b>Specification/Make</b>	<b>Quantity</b>
1	Sucrose	Emark	5 pkt
2	Kerosene		10 lt
3	Distilled water		20 lt
4	Tarpin oil		1 lt
5	Grease		2 Kg
6	Teflon		5
7	Machine oil		1 lt
8	Sodium Vapour Lamp with Boxes with complete set		6