




GOVERNMENT OF WEST BENGAL
SISTER NIBEDITA GOVERNMENT GENERAL DEGREE COLLEGE FOR GIRLS
HASTINGS HOUSE, 20B, JUDGES COURT ROAD, ALIPORE, KOLKATA-700027
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Department of Physics

Memo /Ref No. SNGGDCG/126/Tend/Phys

Date: 14/03/2018

Sealed quotations are invited for the following items for Department of Physics: Mention
Make, Specification details and quote for complete set of each experiment.
(Quoted price should include G.S.T)


Sl No.	Equipment for Experiment /Apparatus
1	To study the random error in observations.
2	To study the Motion of Spring and calculate (a) Spring constant, (b) g and (c) Modulus of rigidity.
3	To determine the Moment of Inertia of a Flywheel/ regular shaped body.
4	To determine g and velocity for a freely falling body using Digital Timing Technique.
5	To determine the Young's Modulus of a Wire by Optical Lever Method.
6	To determine the coefficient of viscosity of highly viscous liquid by Stoke's method.
7	To determine the Modulus of Rigidity of a wire by Maxwell's needle / dynamical method.
8	To determine the Elastic Constants of a Wire by Searle's method.
9	To determine g by Bar/ Kater's Pendulum.
10	To determine the value of Young's Modulus by Flexure method.
11	Use a Multimeter for measuring (a) Resistances, (b) AC and DC Voltages, (c) DC Current, (d) Capacitances, and (e) Checking electrical fuses.
12	To study the characteristics of a series RC Circuit.
13	To compare capacitances using De'Sauty's bridge.
14	Measurement of field strength B and its variation with distance using search coil.
15	To verify the Thevenin and Norton theorems.
16	To verify the Superposition, and Maximum power transfer theorems.



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17	To determine self inductance of a coil by Anderson's bridge.
18	To study response curve of a Series LCR circuit and determine its (a) Resonant frequency, (b) Impedance at resonance, (c) Quality factor Q, and (d) Band width.
19	To study the response curve of a parallel LCR circuit and determine its (a) Anti-resonant frequency and (b) Quality factor Q.
20	Measurement of charge and current sensitivity and CDR of Ballistic Galvanometer.
21	Determine a high resistance by leakage method using Ballistic Galvanometer.
22	To determine the mutual inductance of two coils by Carey-Foster's method.
23	Construction of one ohm coil.
24	To investigate the motion of coupled oscillators.
25	To study Lissajous Figures.
26	To determine wavelength of sodium light using Fresnel Biprism.
27	To determine the thickness of a thin paper by measuring the width of the interference fringes produced by a wedge-shaped Film.
28	To determine wavelength of (1) Na source and (2) spectral lines of Hg source using plane diffraction grating.
29	Desktop Computer, Intel Core i3, 6th Generation, Windows 10, 4GB RAM, 1TB HDD: Make:HP
30	UPS Make:APC/Microtech

Last Date of submission: 26/03/2018

Date of opening Quotations: 27/03/2018


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