Acharya B. N. Seal College, Cooch Behar

Department of Physics

Tender List 2017 (vide Tender Notice No. 01 dated 09.11.17)

Equipments

Sl. No.	Instruments	Specification
1	Strong Bar Magnet	Small size
2	Experimental set-up for determination of capacitance of a capacitor by Wien Bridge Oscillator	Good make
3	Expt. set-up of determination of rigidity modulus of the material of a wire by static method	
4	He-discharge tube power supply	
5	He/Hg discharge tube	22 cm in length (approx.)
6	p-n junction diode and Zener diode experimental set-up	For B.Sc. General Course and for Honours course (with Ge and Si diodes)
7	Function Generator	Sine, Square, Triangular Pulse (2MHz/3Mhz) (Model FG-01 SES or Model SM5074 Scientific preferred)
8	AC milli-voltmeter	SES Model ACM – 102 preferred
9	Voltage stabiliser	
10	Experimental set-up to determine the height of a building using a Sextant	
11	Platinum resistance thermometer experimental set-up	
12	Potential divider arrangement (pot)	
13	Experimental set-up to study half and full wave rectification with and without C filter	With AC source of -12-0-+12 V output, Bread board, digital DC Voltmeter (Range: 50V), milliammeter (range: 100mA), variable load.
14	OP AMP experimental set-up	
15	IC 741C for OP AMP experiments	Good quality
16	Prisms	Crown glass
17	Spherometer (Steel/ Brass)	Good quality
18	Regulated power supply	
19	Thermocouple	Copper-constantan
20	Experimental set-up for measurement of thermal conductivity of glass in the form of a tube	
21	Experimental kit to study series and parallel resonance L-C-R circuit	With inbuilt variable AC source, Resistance (50Ω, 100 Ω, 200 Ω), Capacitances (0.22 µF, 0.47 µF, 0.1µF), Inductors (10, 30 mH), digital AC voltmeter (capable of recording output V_R, V_C, V_L and input AC voltage), digital meter to record frequency of the input, digital milliammeter, bread board.
22	Spirit level	Brass (2 inch)
23	Set-up for studying the motion of a spring and calculate a) spring constant, b) g and c) modulus of rigidity	
24	Set-up to determine g and velocity of a freely falling body using digital timing technique	

25	Ballistic galvanometer	Good make
26	Banana nozzle for connection in electrical experiments	
27	Connecting wires	Copper (Soft)
28	Hook-up wire for connection to breadboard	Single gauge
29	Digital watch/Stop clock	Good make
30	Set-up to determine moment of inertia of a flywheel/regular body (metallic bar) about an axis passing through its centre of gravity by oscillation method	Good make
31	Zener diode	Breakdown voltage: 5.6 volts, 12 volts
32	Experimental set-up for determining viscosity of water by Poiseuille's method	
33	Experimental set-up for measurement of surface tension of liquid by capillary ascent method	
34	Set-up to determine the Young's modulus of the material of a wire/metallic bar by optical lever	Good make
35	Set-up to determine modulus of rigidity of a wire by Maxwell's needle	Good make
36	Cradle and suspension wire in glass housing for vibration magnetometer for determination of horizontal component of Earth's magnetic field	
37	Experimental set-up for determination of refractive index of liquid by convex lens, pin and stand method	
38	Set-up to determine elastic constants of a wire by Searle's method	Good quality
39	Set-up to determine the value of g by bar pendulum	
40	Jockey for electrical experiment	
41	Set-up to determine the value of g by Kater's pendulum	
42	Three-way key for electrical experiment	
43	Pohl commutator/rocker for electrical experiment	
44	Anderson bridge experimental set-up	
45	Experimental set-up for transistor amplifier/transistor characteristics in CE and CB mode	
46	Experimental set-up for determination of the frequency of an electrical tuning fork by Melde's experiment and verification of λ^2 – T law	
47	Spring balance	Good quality
48	Set-up to investigate the	Good quality

	motion of coupled oscillators	
49	Set-up to study Lissajous figures	
50	Experimental set-up for determining viscosity of water by Stokes' method	Good quality
51	Experimental set-up for determination of mechanical equivalent of heat (J)	Good quality
52	Set-up to determine the wavelength of sodium source using Michelson's interferometer/spectrometer	Good quality
53	Plane transmission grating for resolving power experiment with 6000 or more lines per inch	
54	Set-up to determine thickness of a thin sheet of paper by measuring the width of the interference fringes produced by a wedge-shaped film	