

Specifications of equipments/items to be supplied

Sl. No.	Equipment/Item	Specifications	Quantity
1	Digital Storage Oscilloscope	100 MHz Dual Channel, X-Ymode, supplied with probes	7
2	Function Generator	Output Waveforms: Sine, Square, Triangle with DC Offset (+/-5V) Frequency Range:0.5Hzto 5MHz, in Seven Ranges Amplitude Range:20mVto 20Vpp in Three Range Controls: Amplitude, Frequency	4
3	Regulated Battery Eliminator Cum +/- 15V Dual Supply	1.8V For Daniel Cell Experiments, 1.46V for Leclanche Cell Experiments, 2V, 3V & 4V for Potentiometer Experiments, 5V for Digital Circuit Experiments, 6V,7V,8V,9V,12VforC.E Amplifier & Other Experiments, + 15V in combination with-15V Dual Supply for Op-Amp Experiments, Short Circuit Protection & Indication for all Outputs. Short Circuit/Overload Indication with Beep Sound for2A Output	3
4	Spectrometer	Scale: 6" diameter (Brass) Base: Cast iron with levelling screw All moving parts made of Brass for accuracy Collimator with adjustable slit Horizontal axis alignment for Collimator Horizontal axis alignment for telescope Height adjustable centre table with provision for Prism and grating holder Telescope with user changeable cross wire and eyepiece LeastCount: 1 minute Vernier Divisions : 30	3

5	Stop Clock	Digital	1
6	Stop Clock	Analog	10
7	Ballistic Galvanometer	Resistance: 500 Ohms Time period: 10 to 12 sec Current sensitivity: 0.3 $\mu\text{A}/\text{div}$ Critical damping resistance: 1000 Ω Moving coil with Phosphor bronze suspension wire with Zero adjust and Lock Mirror: Concave, F = 100 cm	1
8	Hibberts magnetic Standard	Standard	1
9	Numerical Aperture and Attenuation and band width apparatus	Semiconductor diode laser, X-Y Bed with fixed screen moveable chuck, OFC patch cord 1.5m & 3m Laser power meter and Relative light intensity metre	1
10	Black body radiator (Stefan constant)	Regulated power supply 0-7V/1A, Digital voltmeter 0-20V, Digital current meter 0-2A, Digital temperature indicator, Copper Black body	1