

**Requisition for Laboratory Instruments of Semester V(H)**  
**Course: Solid State Physics (PHSACOR12T)**  
**Department of Physics, Dum Dum Motijheel College, Kolkata-700 074.**

SL.NO	Items	Quantity
1.	To determine the Coupling Coefficient of Piezoelectric crystal: Complete set with different value piezoelectric box, Resistance box, Capacitance box, Inductance box & Function Generator with digital volt & current meter AC.	1 Set
2.	To measure the resistivity of a semiconductor (Ge) with temperature by reverse bias characteristics of Ge diode and to determine its band Gap: Complete set 0-10V. DC supply with volt & current meter. 'Ge' diode fitted oven with different temperature.	1 Set
3.	To determine the hall coefficient of a semiconductor sample. Complete set with SES Roorkee made Model No. Hex-21 with Electro Magnet EMU-50 with Constant Current power supply DPS-50, Digital Gaussmeter DGM-202, Hall Probe stand with hall effect set-up DHE-21 & Hall Probes P&N Type.	Set
4.	To study temperature coefficient of a semiconductor (NTC Thermistor): Complete with Dc. Regulated Power supply with two digital meters with oven with thermometer.	1 Set
5.	To determine dielectric constant of a dielectric material with variable frequency. Required a complete set without CRO.	1 set
6.	To measure the susceptibility of paramagnetic salt using Quinck's Tube Method. Required a complete set without a magnet.	1 set