

## **SEALED QUOTATION FOR PURCHASE OF PHYSICS LAB INSTRUMENTS**

**Sealed Quotations are invited by The Principal, Daulat Ram College, University of Delhi, for the purchase of Physics Laboratory Instruments in Physics Department. The list of Instruments / set-up / trainer kits are attached herewith. The experiments are based on CBCS curriculum offered by University of Delhi. For detailed requirements for experiments visit college website [www.dr.du.ac.in](http://www.dr.du.ac.in). The quotations will be received by the office till 26.12.2018, 5:00 PM. The tender should be superscribed with "Quotation for Physics Lab Instruments". Please indicate the lab/institutions where these instruments are being used.**

*Dated: 11/12/18*

*Sanita Roy*  
**Principal**  
*Dr. Sanita Roy*

S.No.	Experiment Set-up
1.	Measurement of susceptibility of paramagnetic solution (Quinck's Tube Method)
2.	To measure the Magnetic susceptibility of Solids.
3.	To study the PE Hysteresis loop of a Ferroelectric Crystal.
4.	To draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis.
5.	To measure the resistivity of a semiconductor (Ge) with temperature (up to 150°C) by four-probe method and to determine its band gap.
6.	To determine the Hall coefficient of a semiconductor sample.
7.	To verify the law of Malus for plane polarized light.
8.	To analyse elliptically polarized Light by using a Babinet's compensator.
9.	To determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene Oil, Xylene, etc.) by studying the diffraction through ultrasonic grating.
10.	To verify the Stefan's law of radiation and to determine Stefan's constant.
11.	To determine Boltzmann constant using V-I characteristics of PN junction diode.
12.	To determine the refractive index of liquid by total internal reflection using Wollaston's air-film.