

PHYSICS SESSIONAL
Course No.: Phy 114
Department of CSE (LEVEL-1, TERM-1)

- | | |
|--------------------------|--|
| 1-E₂ | Determination of the resistance of a galvanometer by half deflection method |
| 2-E₃ | Verification of Biot-Savart law and Tangent law |
| 3-M₁ | Determination of the threshold frequency for the material of a photo-cathode and hence find the value of the Planck's constant |
| 4-VLM₃ | Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator |
| 5-E₅ | Determination of the temperature coefficient of the resistance of the material of a wire |
| 6-E₆ | Determination of dielectric constant of materials using a parallel plate capacitor |
| 7-M₄ | Verification of Heisenberg's uncertainty principle using single slit diffraction pattern |
| 8-VLE₁ | Verification of the Coulomb's law of electrostatics |
| 9-VLE₃ | To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode |
| 10-H₅ | Calibration of a given thermocouple |
| 11-H₆ | Determination of the melting point of a solid using the calibration curve obtained in experiment H ₅ |
| 12-E₇ | Determination of a high resistance by the method of deflection |
| 13-E₈ | Determination of the value of low resistance by the method of fall of potential |