

PHYSICS SESSIONAL
Course No.: Phy 154
Department of NCE (LEVEL-1, TERM-2)

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| 1-O₃ | Determination of the refractive index of the material of a prism with the help of a spectrometer |
| 2-O₄ | Determination of the radius of curvature of a Plano-convex lens by the Newton's ring method |
| 3-E₂ | Determination of the resistance of a galvanometer by half deflection method |
| 4-E₃ | Verification of Biot-Savart law and Tangent law |
| 5-O₅ | Determination of the specific rotation of sugar solution by a polarimeter |
| 6-O₆ | Study of the intensity distribution of Fraunhofer diffraction pattern due to a double slit |
| 7-E₅ | Determination of the temperature coefficient of the resistance of the material of a wire |
| 8-E₆ | Determination of dielectric constant of materials using a parallel plate capacitor |
| 9-M₁ | Determination of the threshold frequency for the material of a photo-cathode and hence find the value of the Planck's constant |
| 10-M₄ | Verification of Heisenberg's uncertainty principle using single slit diffraction pattern |
| 11-VL-E₁ | Verification of the Coulomb's law of electrostatics |
| 12-E₇ | To determine a high resistance by the method of deflection |
| 13-E₈ | To determine the value of low resistance by the method of fall of potential |