

PHYSICS SESSIONAL
Course No.: Phy 152
Department of BME (LEVEL-1, TERM-2)

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| 1-E₂ | Determination of the resistance of a galvanometer by half deflection method |
| 2-E₃ | Verification of Biot-Savart law and Tangent law |
| 3-G₁ | Determination of the surface tension of water by capillary tube method |
| 4-G₂ | Determination of the moment of inertia of a fly-wheel about its axis of rotation |
| 5-M₁ | Determination of the threshold frequency for the material of a photo-cathode and hence find the value of the Planck's constant |
| 6-M₂ | Determination of the linear absorption coefficient and mass absorption coefficient of Aluminum using a ^{137}Cs radioactive source |
| 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-G₃ | Determination of the rigidity modulus of the material of a wire by the static method |
| 10-G₄ | Determination of the Young's modulus of the material of a wire by Searle's apparatus |
| 11-VL-M₃ | Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator |
| 12-M₄ | Verification of Heisenberg's uncertainty principle using single slit diffraction pattern |
| 13-G₅ | Determination of the moment of inertia of a point mass and verification of the conservation of angular momentum |