

PHYSICS SESSIONAL; COURSE NO: Phy 152

Department of BME (LEVEL-1, TERM-2)

- 1-E₁** Determination of unknown resistances and verification of the laws of resistances by P.O. (Post Office) Box.
- 2-E₂** Determination of the resistance of a galvanometer by half deflection method.
- 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-H₅** To plot the thermo-electromotive force vs. temperature (Calibration) curve for a given thermocouple.
- 6-H₆** Determination of the melting point of a solid using the calibration curve obtained in experiment H₅.
- 7-M₁** Determination of the threshold frequency for the material of a photo cathode and hence find the value of the Planck's constant.
- 8-E₃** To verify Biot-Savart law and Tangent law.
- 9-E₅** Determination of the temperature coefficient of the resistance of the material of a wire.
- 10-G₃** Determination of the rigidity modulus of the material of a wire by the static method.
- 11-G₄** Determination of the Young's modulus of the material of a wire by Searle's apparatus.
- 12-H₇** Determination of the mechanical equivalent of heat by the electrical method.