

PHYSICS SESSIONAL
Course No.: Phy 102
Department of CSE (LEVEL-1, TERM-1)

- 1-W₁** Determination of line frequency by Lissajous figures using an oscilloscope and a function generator and verification of the calibration of the calibration of time/div knob at a particular position for different frequencies
- 2-W₂** Determination of the frequency of a tuning fork by Melde's apparatus
- 3-G₂** Determination of the moment of inertia of a fly-wheel about its axis of rotation
- 4-G₃** Determination of the rigidity modulus of the material of a wire by the static method
- 5-H₂** Determination of the pressure-coefficient of air by a constant volume air thermometer
- 6-H₄** Determination of the thermal conductivity of a bad conductor by Lee's method
- 7-E₂** Determination of the resistance of a galvanometer by half deflection method
- 8-E₃** Verification of Biot-Savart law and Tangent law
- 9-W₃** Determination of the spring constant and the effective mass of a loaded spring
- 10-H₅** Calibration of a given thermocouple
- 11-H₆** Determination of the melting point of a solid using the calibration curve obtained in experiment H₅
- 12-E₅** Determination of the temperature coefficient of the resistance of the material of a wire
- 13-E₆** Determination of dielectric constant of materials using a parallel plate capacitor
- 14-H₇** Determination of the mechanical equivalent of heat by the electrical method