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

1-W_1   Determination of line frequency by Lissajous figures using an oscilloscope and a function generator and verification of the calibration of time/div knob at a particular position for different frequencies

2-H_1   Determination of the specific heat of a liquid by the method of cooling

3-H_2   Determination of the pressure coefficient of air by a constant volume air thermometer

4-O_3   Determination of the refractive index of the material of a prism with the help of a spectrometer

5-O_4   Determination of the radius of curvature of a Plano-convex lens by the Newton's ring method

6-W_3   Determination of the spring constant and the effective mass of a loaded spring

7-H_3   Determination of thermal conductivity of a good conductor by Searle's apparatus

8-H_4   Determination of the thermal conductivity of a bad conductor by Lee's method

9-O_5   Determination of the specific rotation of sugar solution by a polarimeter

10-O_6   Study of the intensity distribution of Fraunhofer diffraction pattern due to a double slit

11-H_5   Calibration of a given thermocouple

12-H_6   Determination of the melting point of a solid using the calibration curve obtained in experiment H_5

13-W_2   Determination of the frequency of a tuning fork by Melde's apparatus