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 the calibration of time/div knob at a particular
	position for different frequencies
$2-W_2$	Determination of the frequency of a tuning fork by Melde's apparatus
3-H ₁	Determination of the specific heat of a liquid by the method of cooling
4-H ₂	Determination of the pressure-coefficient of air by a constant volume air thermometer
5-O ₃	Determination of the refractive index of the material of a prism with the help of a spectrometer
6-O ₄	Determination of the radius of curvature of a Plano-convex lens by the Newton's ring method
7-W ₃	Determination of the spring constant and the effective mass of a loaded spring
8-H ₃	Determination of thermal conductivity of a good conductor by Searle's apparatus
9-H ₄	Determination of the thermal conductivity of a bad conductor by Lee's method
10-O 5	Determination of the specific rotation of sugar solution by a polarimeter
11-O ₆	Study of the intensity distribution of Fraunhofer diffraction pattern due to a double slit
12-H ₅	Calibration of a given thermocouple
13-H ₆	Determination of the melting point of a solid using the calibration curve obtained in experiment H_5