PHYSICS SESSIONAL
COURSE NO: Phy 102
Department of EEE
(LEVEL-1, TERM-1)

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

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

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_1 Determination of the focal length of (i) a convex lens by the displacement method and (ii) a concave lens by the auxiliary lens method.

6-O_2 Determination of the refractive index of a liquid by plane mirror and pin method using a convex lens.

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

8-W_4 Determination of the acceleration due to gravity 'g' by means of a compound pendulum.

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

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

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

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