PHYSICS SESSIONAL
COURSE NO: Phy 104
Department of EEE
(LEVEL-1, TERM-2)

1-E_1 Determination of unknown resistances and verification of the laws of resistances by P.O. (Post Office) Box.

2-E_2 Determination of the resistance of a galvanometer by half deflection method.

3-G_1 Determination of the surface tension of water by capillary tube method.

4-G_2 Determination of the moment of inertia of a fly-wheel about its axis of rotation.

5-H_5 To plot the thermo-electromotive force vs. temperature (Calibration) curve for a given thermocouple.

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

7-H_7 Determination of the mechanical equivalent of heat by the electrical method.

8-M_1 Determination of the threshold frequency for the material of a photo cathode and hence find the value of the Planck's constant.

9-E_3 To verify Biot-Savart law and Tangent law.

10-E_5 Determination of the temperature coefficient of the resistance of the material of a wire.

11-G_3 Determination of the rigidity modulus of the material of a wire by the static method.

12-G_4 Determination of the Young's modulus of the material of a wire by Searle's apparatus.

13-M_2 Determination of the linear absorption coefficient and mass absorption coefficient of Aluminum using a ^{137}Cs radioactive source and verification of the inverse square law of gamma radiation.