PHYSICS SESSIONAL

Course No.: Phy 152

Department of BME (LEVEL-1, TERM-2)

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

2-E_3 Verification of Biot-Savart law and Tangent law

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

6-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

7-E_5 Determination of the temperature coefficient of the resistance of the material of a wire

8-E_6 Determination of dielectric constant of materials using a parallel plate capacitor

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

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

11-VL-M_3 Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator

12-M_4 Verification of Heisenberg's uncertainty principle using single slit diffraction pattern

13-G_5 Determination of the moment of inertia of a point mass and verification of the conservation of angular momentum

Prepared by - Department of Physics, BUET
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