PHYSICS SESSIONAL

Course No.: Phy 114

Department of CSE (LEVEL-1, TERM-1)

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-M_1	Determination of the threshold frequency for the material of a photo-cathode and hence find the value of the Planck's constant
4-VLM_3	Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator
5-E_5	Determination of the temperature coefficient of the resistance of the material of a wire
6-E_6	Determination of dielectric constant of materials using a parallel plate capacitor
7- M_4	Verification of Heisenberg's uncertainty principle using single slit diffraction pattern
8-VLE_1	Verification of the Coulomb's law of electrostatics
9-VLE_3	To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode
10-H_5	Calibration of a given thermocouple
11-H_6	Determination of the melting point of a solid using the calibration curve obtained in experiment H_5
12-E_7	To determine a high resistance by the method of deflection
13- E_8	To determine the value of low resistance by the method of fall of potential

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