Physics Lab-2
Code:PH(EE)491
Contacts: (3P)
Credit: 2

1. Determination of dielectric constant of a given dielectric material.

2. Determination of thermo electric power at a certain temperature of a given thermocouple.

3. Determination of specific charge (e/m) of electron by J.J. Thompson's method.

4. Determination of Planck constant using photocell.

5. Determination of Lande'g factor using Electron spin resonance spectrometer.

6. Determination of Stefen's radiation constant.

7. Verification of Bohr's atomic orbital theory through Frank-Hertz experiment.

8. Determination of Rydberg constant by studying Hydrogen –elium spectrum.

9. Determination of Hall coefficient of semiconductor.

10. Determination of Band gap of semiconductor.

11. To study current voltage characteristics, load response, areal characteristic and spectral response of a photovoltaic solar cell.