

Applied Physics Lab

Labs/API&AP2

List of experiments:

1. Newton's Rings – Determination of Radius of Curvature of Lens
2. Diffraction Grating – Determination of Wavelength of a Monochromatic Source
3. Dispersive Power of the Material of a Prism – Spectrometer
4. Single Slit Diffraction using Lasers – Determination of wavelength of laser light.
5. I – V Characteristics of LED and LASER diodes
6. Evaluation of Numerical Aperture & Bending losses of an Optical Fiber
7. Study of Resonance in LCR – Series circuit
8. Determination of Energy gap of a material of p-n junction Diode
9. I-V Characteristics of P-N junction diode.
10. I-V Characteristics of a solar cell (photovoltaic effect for power generation)

Note: Any 8 experiments are to be performed.