

BACHELOR OF SCIENCE in PHYSICS (HONS)
SEMESTER – VI

Paper Code: PHY-610P

PHY –610P: PHYSICS PRACTICAL

100 MARKS

Laboratory :

1. Determination of wavelength of monochromatic light source by using Fresnel's biprism.
2. To draw the $(\mu - \lambda)$ curve for the material of a prism by using spectrometer and verification of dispersion formula.
3. To draw the $(\mu - \lambda)$ curve for the material of a prism by using spectrometer and to determine the wavelength of the given source.
4. To draw the $(D - \lambda)$ curve for a given spectrometer and hence to determine the wavelength of the unknown source.
5. Determination of the grating constant by using sodium light and hence to determine the wavelength of the unknown radiation.
6. To calibrate a polarimeter and to determine to determine the concentration of a given solution.
7. Determination of electronic charge by Millikan's experiment.
8. To study the hydrogen spectrum and to determine the Rydberg's constant with the given grating and spectrometer.
9. Determination of e/m of electron by Thomson's method.
10. To study the B-H curve and hysteresis loss by anchor ring method.
11. To determine Planck's constant by using a photocell.
