

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B. Sc. PHYSICS - SEMESTER – IV (PRACTICAL COURSE)

PROGRAMME CODE: SCIUG101
(Effective from June 2024 Under NEP – 2020)

LABORATORY EXPERIMENTS: MINOR COURSE 2 Credit

COURSE CODE: SC23PMIDSCPHY402

TYPE OF COURSE	CREDIT	Marks	COURSE CODE
Minor Discipline Core Course Practical (MIDSCP)	2	25 CCE + 25 SEE = 50	SC23PMIDSCPHY402
Teaching Hours Teaching Hours per Week: 04 Hours for 2 Credit practical (60 Hours per Semester)			

LABORATORY EXPERIMENT :: MINORCOURSE

1. To determine wavelength of bright lines of Mercury light using Grating.
2. To Find out of Resolving Power of Telescope.
3. Study of X –ray diffraction using Powder pattern.
4. To study elliptically polarized light using Photocell and quarter wave plate.
5. To find out Activation energy of a Semiconductor. .
6. To Determine Low Value of ‘C’ using Schering Bridge.
7. Study of Characteristics of a Photodiode and Draw the Graph of $I_D \rightarrow V_D$.
8. Comparison of Capacity (C1/C2) by De-Sauty Method
9. Low Resistance by Method of Projection.
10. Lagrange’s forward Formula and Backward Formula (Interpolation)