

BSP-101-A	PRACTICAL PHYSICS-I	L	T	P	Cr.
		0	0	3	2

Common for B Sc (General, Electronics, Computer Science and Information Technology)

LIST OF EXPERIMENTS:

1. To find the value of unknown low resistance by Carey Foster's Bridge
2. To find the frequency of A.C. mains by Sonometer using an electromagnet
3. To find the value of unknown high resistance by substitution method
4. To determine the hysteresis loss by C.R.O
5. To study Zener Diode Voltage regulating characteristics
6. To study photovoltaic cell and hence to verify the inverse square law
7. To study the characteristics of solar cell and to determine its Fill Factor
8. To study the frequency response curve in series resonant circuit
9. To study the frequency response curve in parallel resonant circuit
10. To study the variation of magnetic field with distance and to find the radius of the coil by Stewart and Gee's method
11. To find the impedance of an A.C. circuit containing R,L and C in series
12. To find the Frequency of A.C. mains using an Electric Vibrator
13. To determine the self inductance of coil (L) using Anderson's Bridge

NOTE:

1. Do any eight experiments.
2. The students are required to calculate the error involved in a particular experiment (Percentage error).
3. The practical examination will be held in one session of 3 hours.

DISTRIBUTION OF MARKS:

- External Practical Examination: 30 Marks
- Internal Evaluation: 20 Marks
- **Total: 50 Marks**