

**BACHELOR OF SCIENCE in PHYSICS (HONS)
SEMESTER – III**

ELECTRICITY AND MAGNETISM OPTICS PRACTICAL

Paper Code: PHY-303P

PHY-303P : ELECTRICITY AND MAGNETISM OPTICS PRACTICAL

25 MARKS

Laboratory:

1. Determination of the horizontal component of earth's magnetic field and the magnetic moment of the magnet with the help of a deflection magnetometer
2. Determination of self-inductance by Rayleigh's method.
3. Determination of frequency of A C mains with the help of sonometer.
4. Determination of capacitance by de Sauty's bridge.
5. Determination of refractive index of a prism by using a sonometer.
6. Determination of capacitance by using ballistic galvanometer.
7. Determination of ECE of copper.
8. To convert the given galvanometer in to an ammeter and calibrate it with the help of copper voltameter.
