

PH105BS: ENGINEERING PHYSICS LAB**B.Tech. I Year I Sem.****L T P C**
0 0 3 1.5**List of Experiments:**

1. Melde's experiment:
To determine the frequency of a vibrating bar or tuning fork using Melde's arrangement.
2. Torsional pendulum:
To determine the rigidity modulus of the material of the given wire using torsional pendulum.
3. Newton's rings:
To determine the radius of curvature of the lens by forming Newton's rings.
4. Diffraction grating:
To determine the number of lines per inch of the grating.
5. Dispersive power:
To determine the dispersive power of prism by using spectrometer.
6. Coupled Oscillator:
To determine the spring constant by single coupled oscillator.
7. LCR Circuit:
To determine quality factor and resonant frequency of LCR circuit.
8. LASER:
To study the characteristics of LASER sources.
9. Optical fibre:
To determine the bending losses of Optical fibres.
10. Optical fibre:
To determine the Numerical aperture of a given fibre.

Note: Any 8 experiments are to be performed