

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF PHYSICS

Lab Name	Engineering Physics Lab - 21PHYL16/26	
	Lab-1	Lab-2
Capacity	20	20
Total Experiments	10	10

Title of the Experiments

1. Determination of spring constants in Series and Parallel combination
2. To verify Stefan's Law
3. Determination of rigidity modulus of the material by the Torsional pendulum.
4. Study series and parallel LCR resonance and hence calculate inductance, bandwidth and quality factor.
5. Determine the wavelength of the laser source using diffraction grating elements.
6. Determination of Magnetic field intensity at the center of a circular coil carrying current (by deflection method).
7. Determine the Fermi energy of metal (copper).
8. To determine the dielectric constant by charging and discharging the capacitor.
9. Determine Acceptance angle and Numerical aperture of an optical fiber.
10. I-V Characteristics of Photodiode.