***PH102 Engineering Physics Lab***

**L-T-P-Cr: 0-0-3-1**

**Only six experiments re required to be done out of the following experiments:**

1. To determine the Young’s Modulus of elasticity by Bending of Beam Method,

2. To determine elastic constant by Searle’s Apparatus,

3. To determine mechanical equivalent of heat by Joule’s Calorimeter,

4. To determine internal resistance of a cell by Stretched Wire Potentiometer,

5. To compare e.m.f. of two cells by Rayleigh Potentiometer,

6. To determine the frequency of electrical maintained tuning fork by Meldies’ Method,

7. to determine electronic charge by Millikon’s Oil Drop Experiment,

8. To determine the wave length of laser light (Red light) using double slit interference,

9. To produce the properties of He/Ne Laser,

10. To measure band gap energy of semiconductors