

Department of Physics

B.Sc. I Physics Practical list

1. To study the theorem of perpendiculars of axis of moment of inertia .
2. To determine the moment of Inertia of a fly wheel about its own axis of rotation .
3. To study a compound pendulum (Bar Pendulum) hence determine the radius of gyration with respect to the center of gravity and determine the “g” in the Laboratory .
4. To study the depression of a beam and hence to determine young’s modulus of the material of beam (Using a spherometer)
5. To study the twist in a wire and hence to determine modulus of rigidity with the help of maxwell’s needle (Dynamical Method)
6. To determine the young’s modulus of Rigidity, bulk modulus and poisson’s ratio for the materials of a wire by searles method .
7. To determine the modulus of rigidity of a material of wire with the help of torsional pendulum (dynamical method)
8. To determine the poisson’s ratio of rubber tube .
9. To study the depression of a cantilever and hence to determine the Young’s modulus of a material of beam .
10. To determine the surface tension of liquid (water) by capillary rise method .
11. To determine the surface Tension of liquid (water) by Jaeger’s apparatus .
12. To determine the efficient of viscosity of a liquid (Glycerin) by stoke’s method .
13. Comparison of magnetic moments of two magnet with the help of variation magneto meter (by sum and difference method)
14. To verify the Newton’s cooling law in Laboratory .
15. To determine Terminal velocity using stoke’s apparatus .
16. To determine rigidity modulus sing Inertia table .
17. To determine gravitational acceleration “g” in Laboratory with the help of Kater’s reversible pendulum (vertical method)