ISO 9001:2008

DISHA COLLEGE

Affiliated to Pt. Ravishankar Shukla University, Raipur (C.G.)

List of Practical of B.Sc. Part- I

1. To determine the surface tension of water by capillary rise method.
2. To determine the surface tension of water with the help of Jager's apparatus.
3. To determine the modulus of rigidity of material of a given wire with the help of torsional pendulum.
4. To study the depression of cantilever and hence to determine the young's modulus of material of beam.
5. To determine the young's modulus of the material of beam by bending of beam method using a spherometer.
6. To determine the moment of inertia of an irregular body with the help of inertia table.
7. To determine the self inductance of a coil by Maxwell's bridge and verify the result with given standard values.
8. To study and demonstrate charging and discharging of capacitor and plot voltage-time graph.
9. To study the Lissajou's figure by CRO.
10. To study a compound (Bar) pendulum & determine the radius of gyration with respect to center of gravity and to determine the acceleration due to gravity "g" in laboratory.
11. To determine the coefficient of viscosity of given liquid by Stoke's law.

PROGRAMMING IN FORTRAN

1. Program to find whether a number is even or odd.
2. Program to find area and circumference of circle.
3. Program to find motion of projectile to a drag force.
4. Program for matrix addition.
5. Program to find roots of quadratic equation.