

- Q1. Solve the differential equation using Calculus methods.
- Q2. Explain the laws of Thermodynamics with an example.
- Q3. Draw a ray diagram for Optics in a concave lens.
- Q4. Find the probability of getting a head in 5 coin tosses.
- Q5. Describe Organic Chemistry reactions of alkanes.
- Q6. Calculate the force in a Mechanics problem involving Newton's second law.
- Q7. Explain the concept of Chemical Bonding with examples.
- Q8. Evaluate the integral of $\sin(x)$ using Trigonometry.
- Q9. Discuss Magnetism and its applications in electric motors.
- Q10. Write short notes on Geometry in coordinate plane.