

[For both English/Hindi Medium Students]

PHYSICS

Topic Covered

- GEOMETRICAL OPTICS (Ray Optics, Optical Instruments), Wave Optics
- Current Electricity, Electrostatics & Capacitors
- Modern Physics, Electronics & Experimental Physics
- Magnetic Effect of Current & Magnetism, EMI and AC & EMW
- Unit, Dimension, Vector, Motion in 1-D, Projectile Motion, Circular Motion, NLM & Friction
- Work, Power, Energy, Centre of Mass, Rotational Motion, Gravitation, SHM, Wave Theory, Sound Waves and Fluid Mechanics
- Heat & Thermodynamics

CHEMISTRY

Topic Covered

- Chemical Kinetics, Solutions, Electrochemistry
- Atomic Structure, Periodic Table, Chemical Bonding
- Co-ordination Chemistry, d & f-Block Elements & Practical Chemistry, p-Block Elements (Group - 13, 14, 15, 16, 17 & 18)
- Organic Chemistry (Theory Part-I)
- Organic Chemistry (Theory Part-II)
- Organic Chemistry (Exercise Part-I & II)
- Mole Concept, Chemical Equilibrium, Chemical

Thermodynamics and Energetics, Ionic Equilibrium, Acid, Base & Redox Reaction

MATHEMATICS

Topic Covered

- Basic Maths, Functions, I.T.F. & Limit, Continuity, Differentiability, Differentiation & A.O.D.
- Vector & 3-D
- Indefinite, Definite Integration, Area Under The Curve & Differential Equations
- Binomial Theorem, Permutation and Combination, Sets and Probability, Complex Number, Determinant & Matrices
- Trigonometric Ratio, Statistics & Relations
- Point, Straight Line, Circle & Conic Section
- Progression & Quadratic Equations