

[For both English/Hindi Medium Students]

PHYSICS

Topic Covered

- Basic Maths Used In Physics , Unit & Dimension , Vectors , Geometrical Optics
- Kinematics - 1D, 2D , Electrostatics
- Newton Laws of Motion , Friction , Gravitation
- Circular Motion , Current Electricity
- Work , Power , Energy , Capacitance
- Center of Mass , Momentum & Collision , Magnetic Effect of Current
- Rotational Dynamics , Electromagnetic Induction (EMI)
- Elasticity , Thermal Expansion , Calorimetry & Heat Transfer , Alternating Current
- KTG , Thermodynamics , Wave of String , Sound Wave , EM Waves , Wave Optics
- Fluid Mechanics , Simple Harmonic Motion , Modern Physics , Error In Measurements & Instruments , Semiconductor

CHEMISTRY

Topic Covered

- Mole Concept & Eudiometry , Concentration Terms Solid State , Liquid Solution
- Quantum Number & Electronic Configuration , Periodic Table & Periodic Properties , Chemical Kinetics
- Chemical Bonding , Thermodynamics - 01 , Thermochemistry , Thermodynamics - 02
- Redox & Equivalent Concepts , Coordination Chemistry , Metallurgy
- Nomenclature & Common Names , Electronic Displacement Effects , Halogen Derivatives , Alcohol & Ether , Hydrocarbon
- Electronic Displacement Effects , Carbonyl Compound ,

Oxidation , Reduction , Aldol & Similar Name Reactions

- Acidic Strength & Basic Strength , Ideal Gas , Real Gas , Atomic Structure (Upto Bohr Model) , Ionic Equilibrium , Electrochemistry
- Atomic Structure , Surface Chemistry , Salt Analysis , Heating Effect , Reactions of Salt Analysis
- Chemical Equilibrium , s - Block Element & d - Block Compounds , p - Block Element , Hydrogen And Its Compounds , f - Block Element , Environmental Chemistry
- Isomerism , Purification & Characteristics Of Organic Compounds , Carboxylic Acids & Its Derivative , Aliphatic Amines , Aromatic Compounds , Biomolecules , Polymer And Practical Organic Chemistry , Separation Techniques , Chemistry In Every Day Life

MATHEMATICS

Topic Covered

- Sets , Numbers & Intervals , Fundamental of Algebra , Quadratic Equations , Function , Inverse Trigonometric Function
- Logarithms , Sequence & Series , Limit , Continuity & Differentiability
- Trigonometric Ratio & Identities , Method Of Differentiation , Application Of Derivative
- Trigonometric Ratio & Identities , Trigonometric Equation , Fundamental Of Geometry , Indefinite Integration
- Straight Line , Determinant , Definite Integration
- Circle , Area Under The Curve , Differential Equation
- Parabola , Ellipse , Hyperbola , Matrices
- Permutation & Combination , Binomial Theorem , Vectors
- Complex Number , 3- Dimensional Geometry
- Relation , Statistics , Probability