

FULL TEST – 1

PATTERN – AIIMS

PHYSICS

SYLLABUS

- Physical World
- Units and Measurement
- Vectors
- Motion in a Straight Line
- Motion in a Plane
- Laws of Motion
- Work, Energy and Power
- System of Particles and Rotational Motion
- Circular Motion
- Gravitation
- Mech prop of solids
- Mech prop of liquids
- Thermal Properties of Matter
- Thermodynamics
- Kinetic Theory
- Oscillations
- Waves

CHEMISTRY

SYLLABUS

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements
- Chemical Bonding & Molecular Structure
- States of Matter
- Thermodynamics
- Equilibrium (Chemical & Ionic Equilibrium)
- Redox reactions
- Hydrogen
- S-Block Elements
- P-Block Elements
- Organic Chemistry - Some basic principles and techniques
- Hydrocarbons
- Environmental Chemistry

BIOLOGY

SYLLABUS

- The Living World
- Biological Classification
- Plant Kingdom
- Kingdom Animalia
- Morphology of Flowering Plants
- Anatomy of flowering plants - Tissues and Tissue System
- Animal Tissues, Earth Worm, Cockroach, Frog
- Biomolecules - Introduction, Macromolecules, Metabolism
- Mineral Nutrition
- Body fluids and circulation
- Excretory products and their elimination
- Locomotion and movement
- Photosynthesis in higher plants - Introduction of Photosynthesis, Light Reaction
- Anatomy of flowering plants - Anatomy of Dicot and Monocot Plants, Secondary Growth
- Cell: The Unit of Life
- Cell Cycle and Cell Division
- Biomolecules – Enzymes
- Digestion and absorption
- Breathing and Exchange of gases
- Photosynthesis in higher plants - Introduction of Photosynthesis, Light Reaction
- Transport in Plants
- Respiration in Plants
- Plant Growth and Development
- Photosynthesis in higher plants - Dark reaction, Photorespiration, Factors Affecting Photosynthesis
- Neural control and coordination
- Chemical coordination and integration