

Physics

- Physical World and Measurement
- Kinematics
- Work, Energy, and Power
- Laws of Motion
- Gravitation
- Properties of Bulk Matter
- Thermodynamics
- The behavior of Perfect Gas and Kinetic Theory
- Oscillations and Waves
- Current Electricity
- Electrostatics
- Electromagnetic Induction and Alternating Currents
- Magnetic Effects of Current and Magnetism
- Optics
- Electromagnetic Waves
- A motion of System of Particles and Rigid Body
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices

Chemistry

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Thermodynamics
- Chemical Bonding and Molecular Structure
- States of Matter: Gases and Liquids
- Redox Reactions
- Equilibrium
- Hydrogen
- s-Block Elements(Alkali and Alkaline earth metals)
- Some p-Block Elements
- Organic Chemistry- Some Basic Principles and Techniques
- Hydrocarbons
- Environmental Chemistry
- Solutions
- Solid State

- Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- General Principles and Processes of Isolation of Elements

Botany

- Diversity in Living World
- Cell Structure and Function
- Structural Organization in Animals and Plants
- Human Physiology
- Plant Physiology
- Biology and Human Welfare
- Reproduction
- Genetics and Evolution
- Ecology and environment
- Biotechnology and Its Applications