Physics Syllabus:

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

Chemistry Syllabus:

- **Some Basic Concepts of Chemistry**
- **Solid State**
- **Solutions**
- **Electrochemistry**

- **Chemical Kinetics**
- **Surface Chemistry**
- **Structure of Atom**
- **Classification of Elements and Periodicity in Properties**
- **Chemical Bonding and Molecular Structure**
- **States of Matter : Gases and Liquids**
- **Thermodynamics**
- **Equilibrium**
- **Redox Reactions**
- **Hydrogen**
- **S-Block Elements (Alkali and Alkaline earth metals)**
- **Some P-Block Elements**
- **Environmental Chemistry**
- **P-Block Elements**
- **D and F Block Elements**
- **Coordination Compounds**
- **Haloalkanes and Haloarenes**
- **Alcohols, Phenols and Ethers**
- **Organic compounds containing Nitrogen**
- **Biomolecules**
- **Polymers**
- **Chemistry in Everyday Life**

Mathematics Syllabus:

- **Sets, Relations & Functions**
- **Trigonometric Functions**

- **Principle of Mathematical Induction**
- **Complex Numbers and Quardratic Equations**
- **Linear Inequalities**
- **Permutations & Theorem**
- **Binomial Theorem**
- **Sequence and Series**
- **Straight Lines**
- **Introduction to Three-dimensional Geometry**
- **Limits and Derivatives**
- **Mathematical Reasoning**
- **Statistics**
- **Relations and Functions**
- **Inverse Trigonometric Functions**
- **Matrices**
- **Determinants**
- **Continuity and Differentiability**
- **Applications of Derivatives**
- **Integrals**
- **Differential Equations**
- **Vectors**
- **Three – dimensional Geometry**
- **Probability**

Biology Syllabus:

- **Diversity in Living World**
- **Structural Organization in Animals and Plants**

- **Cell: Structure and Function**
- **Plant Physiology**
- **Human Physiology**
- **Sexual Reproduction**
- **Genetics and Evolution**
- **Biology and Human Welfare**
- **Biotechnology and its Applications**
- **Ecology & Environment**