

## **SITEEE 2025 Physics Syllabus**

- Physics and Measurements
- Kinematics
- Laws of Motion
- Work, Energy, and Power
- Rotational Motion
- Gravitation
- Properties of Solids and Liquids
- Thermodynamics
- Kinetic Theory of Gases
- Oscillations and Waves
- Electrostatics
- Current Electricity
- Magnetic Effects of Current and Magnetism
- Electromagnetic Induction and Alternating Current
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems

## **SITEEE Chemistry Syllabus 2025**

- Some Basic Concepts in Chemistry
- Atomic Structures
- Chemical Bonding and Molecular Structure
- Chemical Thermodynamic
- Solutions
- Equilibrium
- Redox Reactions and Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- Classification of Elements and Periodicity in Properties
- General Principles and Processes of Isolation of Metals
- Hydrogen
- Block Elements (Alkali and Alkaline Earth Metals)
- Block Elements (Group 13 to group 18 elements)
- d and f Block Elements
- Coordination Compounds
- Environmental Chemistry
- Purification and Characterization of Organic Compounds
- Hydrocarbons
- Organic Compounds Containing Halogens, Oxygen, Nitrogen
- Polymers
- Chemistry in Everyday Life

## **SITEEE 2025 Syllabus: Mathematics**

- Sets, Relations, and Functions

- Complex Numbers and Quadratic Equations
- Matrices and Determinants
- Permutations and Combinations
- Mathematical Induction
- Binomial and its Simple Applications
- Sequences and Series
- Limit, Continuity, and Differentiability
- Integral Calculus
- Differential Equation
- Co-ordinate Geometry
- Three-dimensional Geometry
- Vector Algebra
- Statistics and Probability
- Trigonometry
- Mathematical Reasoning