

JEE MAINS Syllabus

<p>Mathematics</p> <ul style="list-style-type: none">• Unit 1: Sets, Relations and Functions• Unit 2: Complex Numbers and Quadratic Equations• Unit 3: Matrices and Determinants• Unit 4: Permutations and Combinations• Unit 5: Mathematical Induction• Unit 6: Binomial Theorem and Its Simple Applications• Unit 7: Sequences and Series• Unit 8: Limit, Continuity and Differentiability• Unit 9: Integral Calculus• Unit 10: Differential Equations• Unit 11: Co-ordinate Geometry• Unit 12: Three-Dimensional Geometry• Unit 13: Vector Algebra• Unit 14: Statistics and Probability• Unit 15: Trigonometry• Unit 16: Mathematical Reasoning	<p>Physics Section A</p> <ul style="list-style-type: none">• Unit 1: Physics and Measurement• Unit 2: Kinematics• Unit 3: Laws of Motion• Unit 4: Work, Energy and Power• Unit 5: Rotational Motion• Unit 6: Gravitation• Unit 7: Properties of Solids and Liquids• Unit 8: Thermodynamics• Unit 9: Kinetic Theory of Gases• Unit 10: Oscillations and Waves• Unit 11: Electrostatics• Unit 12: Current Electricity• Unit 13: Magnetic Effects of Current and Magnetism• Unit 14: Electromagnetic Induction and Alternating Currents• Unit 15: Electromagnetic Waves• Unit 16: Optics• Unit 17: Dual Nature of Matter and Radiation• Unit 18: Atoms and Nuclei• Unit 19: Electronic Devices• Unit 20: Communication Systems <p>Section B</p> <ul style="list-style-type: none">• Unit 21: Experimental Skills
<p>Chemistry Section A: Physical Chemistry</p> <ul style="list-style-type: none">• Unit 1: Some Basic Concepts in Chemistry• Unit 2: States of Matter• Unit 3: Atomic Structure• Unit 4: Chemical Bonding and Molecular Structure• Unit 5: Chemical Thermodynamics• Unit 6: Solutions• Unit 7: Equilibrium• Unit 8: Redox Reactions and Electrochemistry• Unit 9: Chemical Kinetics• Unit 10: Surface Chemistry <p>Section B: Inorganic Chemistry</p>	

- Unit 11: Classification of Elements and Periodicity in Properties
- Unit 12: General Principles and Processes of Isolation of Metals
- Unit 13: Hydrogen
- Unit 14: s- Block Elements (Alkali and Alkaline Earth Metals)
- Unit 15: p- Block Elements
- Unit 16: d and f- Block Elements
- Unit 17: Co-ordination Compounds
- Unit 18: Environmental Chemistry

Section C: Organic Chemistry

- Unit 19: Purification and Characterisation of Organic Compounds
- Unit 20: Some Basic Principles of Organic Chemistry
- Unit 21: Hydrocarbons
- Unit 22: Organic Compounds Containing Halogens
- Unit 23: Organic Compounds Containing Oxygen
- Unit 24: Organic Compounds Containing Nitrogen
- Unit 25: Polymers
- Unit 26: Biomolecules
- Unit 27: Chemistry in Everyday Life
- Unit 28: Principles Related to Practical Chemistry