

JEE Main Syllabus 2022

The complete syllabus for JEE Mains 2022 is given below. You can refer to the list below. Students must stick to the syllabus while preparing for the JEE exams of 2022.

JEE Main Syllabus for Class 11 maths in 2022

- Set, Relations and Functions
- Trigonometric identities
- Straight lines
- Circles
- Limits and Differentiations
- Statistics
- Probability
- Conic Sections
- Permutations and Combinations
- Solutions of Heights, Triangles and Distances
- Complex Number and Quadratic Equation
- Progressive Series and Binomial Theorem
- Mathematical Reasoning and Induction

JEE Syllabus for Class 12 in 2022

- Relations and Functions
- Inverse Trigonometry
- Matrices and Determinants
- Integration
- 3D Geometry
- Vectors
- Differential Equations
- Applications of Integrals
- Application of Differentiation
- Continuity and Differentiability
- Probability-2

Class 11 Chemistry JEE Main Syllabus for 2022

- Chemical Bonding
- Chemical Equilibrium
- Gaseous State
- Atomic Structure
- General Organic Chemistry
- Stoichiometry

Class 12 Chemistry JEE Main Syllabus for 2022

- Redox
- Electrochemistry
- Chemical Kinetics
- Hydrocarbons and its Substituents
- Biomolecules and Polymers
- Hydrogen and S Block Elements
- P Block elements
- Classification of Elements and Periodicity in Properties

Class 11 Physics JEE Main Syllabus for 2022

- Kinematics
- Laws of Motion
- Rotational Motion
- Units and Dimensions
- Work, Energy and Power
- Waves
- Thermal Properties
- Oscillations
- Thermodynamics
- Kinetic Theory of Gases
- Mechanics of Solids and Fluids
- Gravity

Class 12 Physics JEE Main Syllabus for 2022

- Moving Charges and Magnetism
- Electric Charges and Fields
- Current Electricity
- Electric Potential and Capacitance
- Alternating Current
- Ray Optics
- Semiconductors
- Dual Nature of Radiation
- Wave Optics
- Electromagnetic Waves and Communication Systems
- Atoms and Nuclei
- Magnetism and Matter
- Electromagnetic Induction

Cover JEE Main 2022 Syllabus from these Books

Section	Books
Physics	<ul style="list-style-type: none"> • Problems in General Physics by I.E. Irodov • Elements of Dynamics by S.L.Loney • Concepts of Physics by H. C Verma Vol 1 and Vol 2 • Advanced level Physics by Nelson and Parker • Fundamentals of Physics Resnick, Halliday, Walker • Arihant Physics by D. C. Pandey
Chemistry	<ul style="list-style-type: none"> • Atkins' Physical Chemistry • Organic Chemistry by M.S. Chauhan • Inorganic Chemistry by J.D.Lee • Physical Chemistry by N Awasthi • Organic Chemistry by Paula Bruice Yurkanis • Inorganic Chemistry by O.P.Tandon
Mathematics	<ul style="list-style-type: none"> • Higher Algebra by Hall Knight+ Bernard-child • Differential Calculus by Arihant • Class XI & XII by R.D. Sharma • Problems in Calculus of One Variable Algebra by I.A.Maron • Integral Calculus by Arihant