



## **JEE (Mains)**

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#### **Physics**

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

#### **Chemistry**

##### **Section: A (Physical Chemistry)**

Some Basic Concepts in Chemistry  
States of Matter  
Atomic Structure  
Chemical Bonding & Molecular Structure  
Chemical Thermodynamics  
Solutions  
Equilibrium  
Redox Reactions & Electrochemistry  
Chemical Kinetics  
Surface Chemistry

## **Section-B (Inorganic Chemistry)**

Classification of Elements & Periodicity in Properties

General Principles & Processes of Isolation of Metals

Hydrogen

S -Block Elements (Alkali & Alkaline Earth Metals)

P- Block Elements

D - & F- Block Elements

Co-Ordination Compounds

Environmental Chemistry

## **Section-C (Organic Chemistry)**

Purification & Characterization Of Organic Compounds

Some Basic Principles of Organic Chemistry

Hydrocarbons

Organic Compounds Containing Halogens

Organic Compounds Containing Oxygen

Organic Compounds Containing Nitrogen

Polymers

Biomolecules

Chemistry in Everyday Life

Principles Related To Practical Chemistry

## **Mathematics**

Sets, Relations & Functions

Complex Numbers & Quadratic Equations

Matrices & Determinants

Permutations & Combinations

Mathematical Inductions

Binomial Theorem & Its Simple Applications:

Sequence & Series

Limit, Continuity & Differentiability

Integral Calculus:

Differential Equations

Co-Ordinate Geometry

Three Dimensional Geometry

Vector Algebra

Statistics & Probability

Trigonometry

Mathematical Reasoning