

JEE Advanced Pattern Part & Cumulative Tests

PHYSICS

CHEMISTRY

MATHS

APT - 3

Simple Harmonic Motion ; Waves and Acoustics ; Gravitation ; Mechanical Properties of Solids ; Mechanical Properties of Fluids

Chemical Equilibrium ; Ionic Equilibrium ; s-Block Elements ; Hydrogen ; Environmental Chemistry ; Redox Reactions ; p-Block Elements (Group - 13, 14)

Properties and Solutions of Triangle ; Matrices ; Determinants

APT - 4

Foundation Physics ; Units, Dimensions and Measurement ; Motion in One Dimension ; Motion in Two Dimensions ; Newton's Laws of Motion (Without Friction) ; Newton's Laws of Motion (With Friction) ; Work, Power and Energy ; Centre of Mass, Conservation of Linear Momentum and Collisions ; Dynamics of Rigid Body : Part 1 ; Dynamics of Rigid Body : Part 2 ; Simple Harmonic Motion ; Waves and Acoustics ; Gravitation ; Mechanical Properties of Solids ; Mechanical Properties of Fluids ; Thermal Properties of Matter ; Kinetic Theory of Gases and The Laws of Thermodynamics ; Geometrical Optics ; Electric Charges and Field ; Electrostatic Potential ; Capacitance ; Current Electricity : Part 1 ; Current Electricity : Part 2 ; Magnetism : Part 1 ; Magnetism : Part 2 ; Electromagnetic Induction : Part 1 ; Electromagnetic Induction : Part 2

Some Basic Concepts of Chemistry ; Structure of Atom ; Classification of Elements and Periodicity in Properties ; Chemical Bonding and Molecular Structure ; General Organic Chemistry : Part 1 ; General Organic Chemistry : Part 2 ; Hydrocarbons ; States of Matter ; Thermodynamics ; Chemical Equilibrium ; Ionic Equilibrium ; s-Block Elements ; Hydrogen ; Environmental Chemistry ; Redox Reactions ; p-Block Elements (Group - 13, 14) ; Solid State ; Solutions ; Electrochemistry ; Chemical Kinetics ; Surface Chemistry and Colloidal State ; Organic Compounds Containing Halogens ; Alcohols, Phenols and Ethers ; Aldehydes, Ketones and Carboxylic Acids ; Organic Compounds Containing Nitrogen ; General Principles and Processes of Isolation of Elements ; p-Block Elements (Groups 15 - 18) ; d- & f-Block Elements

Sets ; Introduction to Relations and Functions ; Inequalities and Modulus ; Logarithm ; Theory of Equations ; Trigonometric Ratios and Identities ; Trigonometric Equations ; Progression and Series Binomial Theorem ; Permutation and Combination ; Coordinate System and Straight Lines ; Circle ; Parabola ; Ellipse ; Hyperbola ; Properties and Solutions of Triangle ; Matrices ; Determinants ; Relations and Functions ; Inverse Trigonometric Functions ; Limit ; Continuity and Differentiability ; Differentiation ; Monotonicity, Maxima and Minima of Functions ; Application of Derivatives ; Indefinite Integration ; Definite Integration ; Area ; Differential Equations ; Introduction to Probability ; Probability

APT - 5

Wave Optics ; Electromagnetic Waves and Dual Nature of Radiation and Matter ; Modern Physics

Coordination Compounds ; Biomolecules ; Polymers ; Chemistry in Everyday Life ; Principles Related to Practical Chemistry

Vectors ; Three-Dimensional Geometry ; Complex Numbers

JEE Main Pattern Part & Cumulative Tests

PHYSICS

CHEMISTRY

MATHS

MPT - 5

Simple Harmonic Motion ; Waves and Acoustics ; Gravitation ; Mechanical Properties of Solids ; Mechanical Properties of Fluids

Chemical Equilibrium ; Ionic Equilibrium ; s-Block Elements ; Hydrogen ; Environmental Chemistry ; Redox Reactions ; p-Block Elements (Group - 13, 14)

Properties and Solutions of Triangle ; Statistics ; Matrices ; Determinants

MPT - 6

Thermal Properties of Matter ; Kinetic Theory of Gases and The Laws of Thermodynamics ; Geometrical Optics ; Electric Charges and Field ; Electrostatic Potential ; Capacitance ; Current Electricity : Part 1 ; Current Electricity : Part 2 ; Magnetism : Part 1

Solid State ; Solutions ; Electrochemistry ; Chemical Kinetics ; Surface Chemistry and Colloidal State ; Organic Compounds Containing Halogens ; Alcohols, Phenols and Ethers ; Aldehydes, Ketones and Carboxylic Acids ; Organic Compounds Containing Nitrogen

Relations and Functions ; Inverse Trigonometric Functions ; Limit ; Continuity and Differentiability ; Differentiation ; Monotonicity, Maxima and Minima of Functions ; Application of Derivatives ; Indefinite Integration ; Definite Integration ; Area

MPT - 7

Magnetism : Part 2 ; Electromagnetic Induction : Part 1 ; Electromagnetic Induction : Part 2

General Principles and Processes of Isolation of Elements ; p-Block Elements (Groups 15 - 18) ; d- & f-Block Elements

Differential Equations ; Introduction to Probability ; Probability

MPT - 8

Wave Optics ; Electromagnetic Waves and Dual Nature of Radiation and Matter

Coordination Compounds ; Biomolecules

Vectors ; Three-Dimensional Geometry

MHT-CET (PCM) Pattern Part & Cumulative Tests

PHYSICS

CHEMISTRY

MATHS

CPT(M) - 5

Simple Harmonic Motion ; Waves and Acoustics ; Gravitation ; Mechanical Properties of Solids ; Mechanical Properties of Fluids ; Thermal Properties of Matter ; Kinetic Theory of Gases and The Laws of Thermodynamics

Chemical Equilibrium ; Ionic Equilibrium ; s-Block Elements ; Hydrogen ; Environmental Chemistry ; Redox Reactions ; p-Block Elements (Group -13, 14) ; Solid State ; Solutions

Properties and Solutions of Triangle ; Statistics ; Matrices ; Determinants ; Relations and Functions ; Inverse Trigonometric Functions

CPT(M) - 6

Geometrical Optics ; Electric Charges and Field ; Electrostatic Potential ; Capacitance ; Current Electricity : Part 1 ; Current Electricity : Part 2

Electrochemistry ; Chemical Kinetics ; Surface Chemistry and Colloidal State ; Organic Compounds Containing Halogens ; Alcohols, Phenols and Ethers ; Aldehydes, Ketones and Carboxylic Acids

Limit ; Continuity and Differentiability ; Differentiation ; Monotonicity, Maxima and Minima of Functions ; Application of Derivatives ; Indefinite Integration

Full Syllabus Tests

JEE ADVANCED
JEE MAIN
MHT-CET (PCM)

5 Full Syllabus Tests (11 + 12)
10 Full Syllabus Tests (11 + 12)
5 Full Syllabus Tests (11 + 12)