

All India Test Series Syllabus for JEE Main

Test	Class-XI		Class-XII
PT-1	Physics	Essential Mathematics, Units & Dimensions, Vectors, Error, Motion in One Dimension, Motion in Two Dimension, Projectile Motion, Relative Motion, Circular Motion, Newton's Law of Motion, Friction	Essential Mathematics, Units & Dimensions, Vectors, Error, Motion in One Dimension, Motion in Two Dimension, Projectile Motion, Relative Motion, Circular Motion, Newton's Law of Motion, Friction, Work, Power & Energy, Momentum, Center of Mass, Conservation of Energy & Momentum, Rigid Body Dynamics, Rotational Motion
	Chemistry	Atomic Structure, Periodic Table, Chemical Bonding	Atomic Structure, Periodic Table, Chemical Bonding, Basic Concepts of Chemistry, Redox and Volumetric Analysis, Gaseous State, Chemical equilibrium
	Maths	Quadratic Equation, Sets, Statistics, Mathematical Reasoning, Mathematical Induction, Trigonometric Ratio and Identities	Quadratic Equation, Sets, Statistics, Mathematical Reasoning, Mathematical Induction, Trigonometric Ratio and Identities, Trigonometric Equations, Heights and Distances, Progressions, Permutation and Combination
PT-2	Physics	Work, Power & Energy, Momentum, Center of Mass, Conservation of Energy & Momentum, Rigid Body Dynamics, Rotational Motion	Simple Harmonic Motion (SHM), Gravitation, Properties of Matter, Elasticity, Surface Tension, Viscosity, Hydrostatics, Fluid Dynamics, Calorimetry, Thermal Expansion, Kinetic Theory of Gases, Law of Thermodynamics, Heat Transfer, Transverse Waves, Longitudinal Waves, Doppler's Effect in Mechanical Waves
	Chemistry	Basic Concepts of Chemistry, Redox and Volumetric Analysis, Gaseous State, Chemical equilibrium	Acid Base, Ionic equilibrium, Chemical Energetic, Classification & Nomenclature, Isomerism (Except Optical Isomerism and Tautomerism), GOC-1 (Brief Idea of Electronic Displacement Effects), Hydrocarbons (Preparation Methods, Physical and Chemical Properties without Optical Isomerism Application), Purification of Organic Compounds, p-block elements [Part-1(Boron and Carbon Family)], Hydrogen and It's Compounds
	Maths	Trigonometric Equations, Heights and Distances, Progressions, Permutation and Combination	Binomial Theorem, Point and Straight Line, Circle, Parabola, Ellipse, Hyperbola
PT-3	Physics	Simple Harmonic Motion (SHM), Gravitation, Properties of Matter, Elasticity, Surface Tension, Viscosity, Hydrostatics, Fluid Dynamics, Calorimetry, Thermal Expansion	Electrostatics, Gauss Law, Capacitance & Capacitor, Current Electricity, Heating Effect of Current, Magnetism, Magnetic effect of Current, Electromagnetic Induction, Alternating Current
	Chemistry	Acid Base, Ionic equilibrium, Chemical Energetic, Classification & Nomenclature, Isomerism (Except Optical Isomerism and Tautomerism)	Chemical Kinetics, Nuclear Chemistry and Surface Chemistry, Electrochemistry, Solid State, Solution and colligative properties, General Organic Chemistry, Optical Isomerism and Tautomerism, Hydrocarbons, Halogen Derivatives
	Maths	Binomial Theorem, Point and Straight Line, Circle	Relation, Function & Inverse Trigonometric Functions, Limit and Continuity of Function, Differentiability and Differentiation, Application of Differentiation #1 [Tangent & Normal, Mean Value Theorems and Rate Measurement], Application of Differentiation #2 [Monotonicity, Maxima and Minima], Indefinite Integration
PT-4	Physics	Kinetic Theory of Gases, Law of Thermodynamics, Heat Transfer, Transverse Waves, Longitudinal Waves, Doppler's Effect in Mechanical Waves	Reflection Plain & Spherical Surface, Refraction on Plain Surface, Prism, Refraction on Curved Surface, Lenses, Optical Instrument, Light Waves, Interference of Light, Diffraction, Polarization, Atomic Structure in Modern Physics, Matter, Waves & De-Broglie, Photo-Electric Effect, Radioactivity, Nuclear Physics, Semiconductors and Electronics, EM Waves, Communication Systems, Vernier Calipers, Screw Gauge
	Chemistry	GOC-1 (Brief Idea of Electronic Displacement Effects), Hydrocarbons (Preparation Methods, Physical and Chemical Properties without Optical Isomerism Application), Purification of Organic Compounds, p-block elements [Part-1(Boron and Carbon Family)], Hydrogen and It's Compounds	Aromatic Chemistry, Alcohol, Ether and Phenol, Carbonyl Compounds, Carboxylic Acid and It's Derivatives, Nitrogen Compounds and Amines, Carbohydrates, Amino Acid, Protein and Polymers, Practical Organic Chemistry, Chemistry in everyday life, Co-ordination Compound, Metallurgy, p-block elements [Part-2(Nitrogen, Oxygen, Halogen Family and Noble Gas)], Salt/Qualitative Analysis, Transitional Elements
	Maths	Parabola, Ellipse, Hyperbola	Definite Integration, Area under the Curves and Differential Equation, Probability, Complex Number, Matrices and Determinates, Vector and Three Dimensional Geometry

Note: 6 Unit Wise Test will send at Home by Post
 Syllabus of Revision Test (RT-1) = Syllabus of PT-1 & PT-2
 Syllabus of Revision Test (RT-2) = Syllabus of PT-3 & PT-4