

Test Schedule

All India Test Series with CBT for JEE (Main + Advanced) Class XII/XIII

S. No.	Test Name	Live Mode	Postal Mode	Online Mode
1	PT-1(Adv.)	08-Jul-18	09-Jul-18	09-Jul-18
2	CT-1 (Adv.)	29-Jul-18 Computer Based Test (CBT)		
3	CT-1 (Main)	19-Aug-18	20-Aug-18	20-Aug-18
4	PT-2 (Adv.)	16-Sep-18	17-Sep-18	17-Sep-18
5	CT-2 (Adv.)	07-Oct-18	08-Oct-18	08-Oct-18
6	CT-2 (Main)	28-Oct-18	29-Oct-18	29-Oct-18
7	PT-3 (Adv.)	25-Nov-18	26-Nov-18	26-Nov-18
8	FST-1 (Main)	02-Dec-18	03-Dec-18	03-Dec-18
9	CT-3 (Adv.)	16-Dec-18 Computer Based Test (CBT)		
10	FST-2(Adv.)	06-Jan-19 Computer Based Test (CBT)		
11	CT-3 (Main)	13-Jan-19 Computer Based Test (CBT)		
12	AIOT(Main)	27-Jan-19	28-Jan-19	28-Jan-19
13	PT-4 (Adv.)	03-Feb-19 Computer Based Test (CBT)		
14	AIOT (Adv.)	24-Feb-19 Computer Based Test (CBT)		
15	MT(Main)	03-Mar-19	04-Mar-19	04-Mar-19
16	JPT-1(Main)	10-Mar-19	11-Mar-19	11-Mar-19
17	JPT-2(Main)	17-Mar-19	18-Mar-19	18-Mar-19
18	MT (Adv.)	21-April-19 Computer Based Test (CBT)		
19	JPT-1(Adv.)	28-April-19 Computer Based Test (CBT)		
20	JPT-2(Adv.)	12-May-19 Computer Based Test (CBT)		

S. No.	TEST NAME	PHYSICS	MATHS	CHEMISTRY	
1	PT-1(Adv.)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics (Introduction, Laws of reflection, Plane mirror, Motion of object, Reflection through curve surface and Focal length of mirror, Mirror formula)	Fundamentals of Mathematics (Graphs of polynomials, Wavy Curve Inequalities and Modulus, Modulus-equations and inequations, Graphical Transformation, Irrational inequality, log equations, Logarithmic graphs and inequalities, GIF-equations and inequations, GIF-graphs and sgn (Fx), Trigonometric-Equations, Trigonometric-Inequations)	Mole Concept, Quantum Mechanical model of atom (QMM)	IUPAC Nomenclature
2	CT-1 (Adv.)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, Newton's laws of motion (NLM) (Force and FBD, Newton's laws, Problems on equilibrium and accelerating objects, Problems on accelerating objects, Constrained motion)	Fundamentals of Mathematics, Quadratic Equation, Function & Inverse Trigonometric Function (ITF) (Domain and Range (Classification - Surjective, injective, bijective), Composite functions, Even/odd (no even ext), periodic functions, Def of inverse, Evaluating Inverse, Inverse properties ITF)	Mole Concept, QMM, Periodic Table & Real Gas, Chemical Bonding-I (Types of chemical bond and octet rule, Lewis dot structures, Limitations of octet rule, Formal charge, resonance, Bond order in oxoanions, VBT, Overlapping of orbitals,	IUPAC Nomenclature, Structural Isomerism, Structure Identification, Practical Organic Chemistry (POC-I), General Organic Chemistry (GOC-1) (I effect, +I, -I, their order and applications, Resonance : Definition, condition and writing resonating structures, Stability of R.S.)
3	CT-1 (Main)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, Work, Power, Energy (WPE), Electrostatics (Electric charge, Coulomb's Law, Problems of Coulomb's law, Electrostatic Equilibrium)	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability (Definition + LHL \ RHL, Indeterminate forms, Fundamental theorem, Method of Removing indeterminacy, Factorization, Rationalization, use of standard limit, Use of substitution, Infinite Limits, use of expansion, series expansion, Binomial expansion. Finding a, b, c for existence of Limits, L - Hop'tal rule, Limit of the form $1^\infty, 0^0, \infty^0$, Limit of the form $\infty - \infty$, Sandwich Theorem, Miscellaneous Problems on limits	Mole Concept, QMM, Periodic Table & Real Gas, Chemical Bonding	Structure Identification, POC-I & GOC-I (I effect, +I, -I, their order and applications, Resonance : Definition, condition and writing resonating structures, Stability of R.S., R.E., application of resonance eg., stability of alkenes, B.L., Mesomeric effect eg., +m, -m effect, Application of m effect i.e., e-density, B.L., Hyperconjugation and their application B.L., stability of alkenes, Application of electronic effect, Aromaticity, definition, condition, Aromaticity in cations anions, Annulenes, Azulene anti aromatic compounds)
4	PT-2 (Adv.)	Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity	Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, Application of Derivability, Matrices & Determinant (Introduction and definition, Types of matrices, Operation on matrices & their properties, Multiplication of two matrix and its properties, Transpose and its properties, Submatrix, Determinant of square matrix, Minors and Cofactors, Expansion of determinant, Transpose of a determinant, Properties of determinant, Multiplication of two determinants)	Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Surface Chemistry	GOC-I & GOC- II (Carbocations : Structure, shape, hybridization and stability of carbocations, Rearrangement of carbocations, Stability of F.R.'s, Carbanions, Acidic Strength of organic compounds, Basic strength of organic compounds, Conditions of Tautomerism, Enol content), Basic Inorganic Nomenclature (BIN), Stereoisomerism (Definition, Conditions of G.I.)
5	CT-2 (Adv.)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, Capacitance & Centre of Mass (COM) (Definition and calculation of COM, Motion of COM, Momentum conservation, Spring mass system)	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, Application of Derivatives, Matrices & Determinant, Straight Line	Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Surface Chemistry, Ionic Equilibrium (Elementary), Coordination Compounds (General Introduction, ligand & Oxidation Number, Denticity of ligand, Nomenclature of coordination compound, Theory of co-ordination compounds (Werner theory & Effective atomic number), VBT-Hybridisation/ Geometry/ Magnetic Behaviour, Crystal field theory)	GOC-II, BIN, Stereoisomerism (Definition, Conditions of G.I., cis-trans, properties of G.I., Syn-anti, oximes, number of G.I. and E, Z, Plane polarized light, S.R. chirality, P.O.S., C.O.S., Alternating axis of symmetry, axis of symmetry, Application of symmetry operations Fischer projection formula, wedge-dash formula enantiomers and their properties, Diastereomers, R/S, D/L, configurations)

S. No.	TEST NAME	PHYSICS	MATHS	CHEMISTRY	
6	CT-2 (Main)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current Electricity, Capacitance, Centre of Mass, Rigid Body Dynamics (RBD) (Rigid body, moment of inertia, Parallel and perpendicular theorems, Radius of gyration, Torque about a point, Torque about an axis, Rotational equilibrium, Fixed axis rotation, Energy conservation, Point of application of force and rotational equilibrium, Angular momentum about a point and about an axis, Angular Momentum conservation, Combined translational and rotational motion)	Fundamentals of Mathematics, Quadratic Equation, Function & I.T.F, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle	Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Surface Chemistry, Ionic Equilibrium (elementary), Coordination compounds, Electrochemistry (Writing cell from cell reaction and vice-versa, E, E°, E _{cell} , E _{cell} °, Standard Hydrogen Electrode, Electro series & its applications, ΔG & ΔG°, Calculation of SRP of an electrode from other SRP values, Nernst equation & Questions based on it, Concentration cells)	Stereoisomerism, Organic Reaction Mechanisms-I (ORM-1) (Electrophile, Nucleophile & Nucleophilicity, Leaving group ability & Solvent, Introduction to reaction mechanism & Reaction of acidic hydrogen)
7	PT-3 (Adv.)	Capacitance, Circular motion, Centre of mass, RBD, Simple Harmonic Motion (SHM) & String Wave (Definition, classification and equation of waves, Speed of transverse wave, Power and intensity, Superposition principle, interference)	Matrices & Determinant, Straight Line, Circle, Conic Section	Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, s-Block Elements	Organic reaction mechanisms-I (Electrophile, Nucleophile & Nucleophilicity, Leaving group ability & Solvent, Introduction to reaction mechanism & Reaction of acidic hydrogen, Nucleophilic addition reaction of carbonyl compounds (HCN & GR), S _N 2Th reaction of acid derivatives (RCOOH, ROH, NH ₃ , RMgX, CN ⁻ , LiAlH ₄ & Hydrolysis) & ORM-II (Electrophilic Aromatic substitution reaction (Halogenation, nitration sulphonation), Directive influence & o/p ratio, Friedel craft Alkylation, Friedel craft Acylation reaction & its limitations)
8	FST-1 (Main)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
9	CT-3 (Adv.)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current Electricity, Capacitance, Centre of Mass, RBD, SHM, String Waves, Sound Waves, Electro Magnetic Effect (EMF) (Magnet, Magnetic field due to moving charge, Biot Savart's law, Magnetic field due to straight wire, arc, ring, Magnetic field due to solenoid, amperes law, Magnetic force on moving point charge, circular motion, Helical path, Force on charge in combined E and B)	Fundamentals of Mathematics, Quadratic Equation, Function & I.T.F, Limits, Continuity & Derivability, Application of Derivatives, Matrices & Determinant, Straight Line, Circle, Conic Section, Vector & 3-D	Mole Concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Surface Chemistry, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, s-Block Elements, p-Block Elements (B & C Family), Qualitative Analysis-1, Metallurgy	Stereoisomerism, Organic reaction mechanisms-I & II, Reduction, Oxidation & Hydrolysis
10	FST-2 (Adv.)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
11	CT-3 (Main)	NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, Capacitance, Centre of Mass, RBD, SHM, String Waves, Sound Waves, EMF, Electro Magnetic Induction (EMI), Alternating current (AC), Modern Physics-I	Fundamentals of Mathematics, Quadratic Equation, Function & I.T.F, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle, Conic Section, Mathematical Reasoning, Sets & Relation, Vector & 3-D, Indefinite Integration, Definite Integration & Its Application	Mole Concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Surface Chemistry, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, s-Block Elements, p-Block Elements (B & C Family), Qualitative Analysis-1, Metallurgy, Chemical Kinetics & Solution & Colligative Properties	Reduction, Oxidation & Hydrolysis & ORM-III (Nucleophilic Substitution Reaction S _N 1 (Alkyl halide, Alcohol and Ether), Nucleophilic Substitution Reaction S _N 2 (Alkyl halide, Alcohol and Ether), Nucleophilic Substitution Reaction S _N 2 & S _N i, Nucleophilic Substitution Reaction S _N 2Ar), ORM-IV (Elimination Reaction E1 & E2 & E1cb)
12	AIOT (Main)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
13	PT-4 (Adv.)	Sound Waves, EMF, EMI, AC, Modern Physics-I, Nuclear Physics, Wave optics, Fluid mechanics	Vector & 3-D, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Binomial Theorem	p-Block Elements (B & C Family), Qualitative Analysis-1, Metallurgy, Chemical Kinetics, Solution & Colligative Properties, p-Block (N & O), Solid State, p-Block (Halogen & Noble gases),	Reduction, Oxidation, Hydrolysis & ORM-III, IV & Aromatic compound

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14	AIOT (Adv.)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
15	MT(Main)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
16	JPT-1(Main)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
17	JPT-2(Main)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
18	MT (Adv.)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
19	JPT-1(Adv.)	Full syllabus	Full syllabus	Full syllabus	Full syllabus
20	JPT-2(Adv.)	Full syllabus	Full syllabus	Full syllabus	Full syllabus