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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.)	29-07-2018 **Computer Based Test (CBT)**		
3	CT-1 (Main)	19-Aug-18	20-Aug-18	20-Aug-18
4	CT-2 (Main)	16-09-2018 **Computer Based Test (CBT)**		
5	CT-2 (Adv.)	07-10-2018 **Computer Based Test (CBT)**		
6	CT-3 (Main)	28-10-2018 **Computer Based Test (CBT)**		
7	CT-3 (Adv.)	25-Nov-18	26-Nov-18	26-Nov-18
8	CT-4 (Main)	16-12-2018 **Computer Based Test (CBT)**		
9	AIOT -1 (Main)	23-12-2018 **Computer Based Test (CBT)**		
10	MMT(MAIN)	30-12-2018 **Computer Based Test (CBT)**		
11	PT-2 (Adv.)	03-02-2019 **Computer Based Test (CBT)**		
12	AIOT -2 (Main)	17-02-2019 **Computer Based Test (CBT)**		
13	MT(Main)	03-03-2019 **Computer Based Test (CBT)**		
14	JPT-1 (Main)	10-Mar-19	11-Mar-19	11-Mar-19
15	JPT-2 (Main)	17-Mar-19	18-Mar-19	18-Mar-19
16	JPT-1 (ADV.)	28-Apr-19	29-Apr-19	29-Apr-19
17	AIOT (Adv.)	05-May-19	06-May-19	06-May-19
Below test will be provided to students Eligible for JEE(Advanced)*				
18	JPT-2(ADV.)	12-05-2019 **Computer Based Test (CBT)**		

*** On Submitting Proof of Eligibility**

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JEE (Main+Advanced) All India Test Series Syllabus
Class XII/XIII

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, Irrarational ineqaulity, 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 indeterminancy, 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^{∞}, 0^{0}, ∞^{0}, Limit of the form $\infty - \infty$, Sandwitch 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., Hypercongugation 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	**CT-2 (Main)**	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction,Work, Power, Energy (WPE), Electrostatics, Gravitation, Current Electricity	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, Application of Derivatives , Statistics, 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, Metallurgy,Ionic Equilibrium (Elementary) (Acid base concept, Ostwald dilution law, Properties of water,pH calculation of Acids & Bases,Salt hydrolysis (WA + SB, SA + WB,WA + WB)	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), Stereoisomerism
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, Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, d-Block Element, 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)	GOC-II,Stereoisomerism, Organic Reaction Mechanisms-I (ORM-1)(Electrophile, Nucleophile & Nucleophilicity, Leaving group ability & Solvent, Introduction to reaction mechanism & Reaction of acidic hydrogen, Nucleophilic addition reaction of carbonyl compounds (HCN & GR),S_N2Th reaction of acid (Estrification),S_N2Th reaction of acid derivatives (RCOOH, ROH, NH_3, RMgX, CN^-, $LiAlH_4$ & Hydrolysis)

S.No.	TEST NAME	PHYSICS	MATHS	CHEMISTRY	
6	**CT-3 (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 gyrations, 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 & ITF, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle	Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, d-Block Element, Coordination compounds, Electrochemistry(Writing cell from cell reaction and vice-versa, E, Eº, Ecell, Eºcell, Standard Hydrogen Electrode, Electro series & its applications,ΔG & ΔG^{o}, Calculation of SRP of an electrode from other SRP values, Nernst equation & Questions based on it,Concentration cells)	Stereoisomerism, ORM-I & ORM-II (Electrophilic Aromatic substitution reaction (Halogenation, nitration sulphonation),Directive influence & o/p ratio, Friedel craft Alkyalation ,Friedel craft Acylation reaction & its limitations,Free radical substitution of alkane, Free radical substitution by NBS & Free radical addition reaction,Electrophilic addition reaction of alkene (X_2, HOX, HX),Electrophilic addition reaction of alkene (H_2O / H^+, $(CH_3COO)_2Hg$,H_2O / $NaBH_4$ & B_2H_6 / H_2O_2),Electrophilic addition reaction of alkyne (X_2, HOX, HX, H_2SO_4 / Hg^{2+} & B_2H_6 / H_2O_2))
7	**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, Simple Harmonic Motion (SHM), String Waves (Definition, classification and equation of waves, Speed of transverse wave)	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, Application of Derivatives, Matrices & Determinant, Straight Line, Circle,Conic Section	Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, d-Block Element, Coordination compounds, Electrochemistry,Chemical Kinetics (Basic : rate of chemical reaction and Dependence of rate,Integratd rate law : zero and first order reaction,Integrated Rate law : Second Order & Pseudo first order reaction)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis
8	**CT-4 (Main)**	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,Wave Optics, EMW (Electro Magnetic Waves)	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle,Conic Section,Mathematical Reasoning, Sets & Relation,Vector & 3-D	Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, d-Block Element, Coordination compounds, Electrochemistry,Chemical Kinetics, Solution & Colligative Properties	Basic Inorganic Nomenclature (BIN), ORM-III (Nucleophilic Substitution Reaction SN1 (Alkyl halide, Alcohol and Ether),Nucleophilic Substitution Reaction S_N2 (Alkyl halide, Alcohol and Ether),Nucleophilic Substitution Reaction S_N2 & S_Ni,Nucleophilic Substitution Reaction S_N2Ar ORM-IV (Elimination Reaction E1 & E2,Elimination Reaction E2 & E1cb),Aromatic Compound (Preparation of phenol and chemical reaction)
9	**AIOT -1 (Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
10	**MMT(Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
11	**PT-2 (Adv.)**	Circular Motion, Electrostatics, Gravitation, Current Electricity, Capacitance, Centre of Mass & RBD,SHM, String Waves,Sound waves,Wave Optics, Electro Magnetic Effect (EMF), Electro Magnetice Induction (EMI), Alternating current (AC), Modern Physics, Nuclear physics.	Function & ITF, Limits, Continuity & Derivability, Application of Derivatives, Matrices & Determinant, Straight Line, Circle, Conic Section, Vector & 3-D,Indefinite Integration, Definite Integration & Its Application, Differential Equation, Binomial Theorem	Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, d-Block Element, Coordination compounds, Electrochemistry,Chemical Kinetics, Solution & Colligative Properties, Solution & Colligative Properties, Solid State, Thermodynamics & Thermochemistry, P-block (13 to 16 groups)	ORM-III & IV, ,Aromatic Compound, Biomolecules
12	**AIOT -2(Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
13	**MT(Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
14	**JPT-1(Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
15	**JPT-2(Main)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
16	**JPT-1(ADV.)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
17	**AIOT(Adv.)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
18	**JPT-2(ADV.)**	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus