

S.No.	Dispatch Date	PHYSICS	MATHS	CHEMISTRY	
1	01-07-2019 PT-1 JEE (Adv.)	Mathematical Tools	Fundamentals of Mathematics-I (Representation of sets, Types of sets, Subset, superset, power set, Operations on sets : $A \cup B$, $A \cap B$, $A - B$, $A \Delta B$, Venn Diagrams, De-Morgans law, Cardinal No. problems, Method of Interval, Logarithm : Definition, Identity, Properties, Graph, Logarithm equation, Logarithmic Inequalities, Characteristic and mantissa, Anti log Log table)	Introduction to Chemistry (Basic definition : amu , GMM , GAM, mole , Avogadro's number, Mole-mass-number conversion for atoms/molecules , Avg. molar mass, units of P, T, V and interconversion , $PV=nRT$ & Question based on it, STP) & Atomic Structure (Discovery of subatomic particles (Cathode+Anode Rays) , Thomson, Rutherford, Estimation of closest approach, Some terms(Isotopes, Isobars, Isotones, Isoelectronic), Electromagnetic Radiations (properties of waves))	IUPAC-Nomenclature of non-chain terminating Functional groups (-OH, -SO ₃ H, Ketone, thiols and amines)
2	08-07-2019 CT-1 JEE (Main)	Mathematical Tools, Rectilinear Motion , Projectile Motion, Relative Motion (Relative motion in 1-D)	Fundamentals of Mathematics-I, Quadratic Equation	Introduction to Chemistry & Atomic Structure (Discovery of subatomic particles (Cathode+Anode Rays), Thomson, Rutherford, Estimation of closest approach, Some terms(Isotopes, Isobars, Isotones, Isoelectronic), Electromagnetic Radiations (properties of waves), Planck's Quantum Theory, Black Body Radiation , Photoelectric Effect , Bohr's Atomic Model)	IUPAC Nomenclature (Introduction of s and p bond, Valencies of C, H, X, O & N. Degree of C, H & X and structure formula, Hybridization of carbon & DU of Hydrocarbon only, General formula, Bond Line formula, Structural formula and homologs, Classification of organic compound, aromatic compound (excluding huckel rule) bicyclic compound, spiro compound, General Rules of IUPAC Nomenclature, IUPAC-Nomenclature of Alkane & Cyclo alkane with simple side chain (Alkyl Radical), IUPAC-Nomenclature of Alkane & Cyclo alkane with complex alkyl radical, IUPAC-Nomenclature of Alkenes, alkynes, Cycloalkene and polyene, IUPAC-Nomenclature of non-chain terminating Functional groups (-OH, -SO ₂ H , Ketone, thiols and amines), IUPAC-Nomenclature of chain terminating Functional groups (Aldehyde & Carboxylic acids, (Amides, Oyl halide & Nitriles), IUPAC-Nomenclature of chain terminating Functional groups (Esters & Anhydride), IUPAC-Nomenclature of aromatic compounds, Structural Isomerism
3	29-07-2019 CT-1 JEE (Adv.)	Mathematical Tools, Rectilinear Motion , Projectile Motion, Relative Motion, Newton's law's of motion (NLM) (Basic force, NLM 1st, 2nd, 3rd Law (Action Reaction), Tension, Normal force, System F.B.D, Problem of equilibrium & with acceleration, Constrained motion (String constrained), Constrained motion (wedge constrained))	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry	Introduction to Chemistry & Atomic Structure (Discovery of subatomic particles (Cathode+Anode Rays), Thomson, Rutherford, Estimation of closest approach, Some terms(Isotopes, Isobars, Isotones, Isoelectronic), Electromagnetic Radiations (properties of waves), Planck's Quantum Theory, Black Body Radiation , Photoelectric Effect , Bohr's Atomic Model, Spectrum, Spectral Lines, De Broglie's + Heisenberg, Quantum nos., Electronic configuration)	IUPAC Nomenclature, Structural Isomerism & Structural Identification & ABC-1 (Alkane, Alkene, Alkyne, Benzene)
4	26-08-2019 CT-2 JEE (Main)	Mathematical Tools, Rectilinear Motion , Projectile Motion, Relative Motion, NLM, Friction, Work, Power & Energy (Calculation of work by constant force (Tension, Normal, Friction and Pseudo forces), Work done By variable forces, area under the graph, Spring force)	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry , Sequence & Series, Mathematical Induction, Fundamentals of Mathematics-II (Modulus function : Definition, Equations, Graphs of Modulus (Linear only), Equations involving Modulus, Inequalities involving modulus, Graphs related to modulus, Graphical transformations of modulus, Irrational Inequalities, Signum Function, Dirichlet Function)	Introduction to Chemistry, Atomic Structure, Mole Concept (Density, % Composition by mass, by mole, Minimum Molecular Mass Determination, Empirical & Molecular Formula, Stoichiometry, Equation based calculations, Concept of Limiting reagent, % Excess, % Yield, POAC, Sequence & Parallel Reactions, Mixture analysis & % Purity, Basics of oxidation number, Oxidizing and reducing agents)	Structural Identification & ABC-1, ABC-2 (Phenol, Aniline), ABC-3 (Alkyl halide, Alcohol, & Periodic Table
5	23-09-2019 PT-2 JEE (Adv.)	Work, Power & Energy, Circular Motion, Centre of Mass (COM) (Circular Motion introduction, Kinematics of circular motion, Relative Circular Motion, Circular motion in horizontal plane, Circular motion in vertical plane, Turning on roads / Banking of road, Centrifugal force, Effect of earth's rotation, Calculation of COM of system of particles)	Quadratic Equation, Trigonometry , Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination (P & C) (Fundamental principle of counting, Permutation and arrangements of objects, Combination, Arrangement of object with few object same, Selection of one or more object, Formation of group and distribution of objects)	Atomic Structure, Mole Concept	Structural Identification & ABC-1, ABC-2, ABC-3 & Periodic Table, Basic Inorganic Nomenclature (BIN) & Chemical Bonding-1 (Types of bonding (Definitions of Ionic bond Covalent bond and Metallic bond) and octet rule, Limitations of octet rule, Formal charge, Writing the lewis dot structure, Writing resonating structures, finding average bond order, Stability of resonating structures, Finding bond order in oxoanions and their acids, VBT, overlapping of orbital, Hybridisation)

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6	11-11-2019 CT-2 JEE (Adv.)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, Work, Power & Energy, Circular Motion, Centre of Mass, Rigid Body Dynamics (RBD)	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, P & C, Solution of Triangle	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, (Boyle's law, Charles's law, Gay-Lussac's law, Avogadro's hypothesis, Barometer & faulty barometer, Ideal gas Equation, Connecting vessels problems, Dalton's law and its applications, Graham's law of diffusion & effusion, KTG, Maxwell's distribution of gas velocities, Eudiometry) Chemical Equilibrium, Gaseous state-2 (Real gas Introduction, Vanderwaal's Equation & Verification, Virial equation, Critical phenomena, Reduced equation of state)	ABC-2 & ABC-3 & Periodic Table, BIN & Chemical Bonding-1, Chemical Bonding-2 (VSEPR, Hybridization, Bond angle & Bond length / Bond Strength) & Chemical Bonding-3 (Type of p bonding ($p\pi-p\pi$ & $p\pi-d\pi$ bond) & Coordinate bonding, Electron deficient bonding & Back bonding, Hydrogen Bonding)
7	02-12-2019 CT-3 JEE (Main)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, Work, Power & Energy, Circular Motion, Centre of Mass, Rigid Body Dynamics (RBD), Simple Harmonic Motion (SHM), Fluid mechanics	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Mathematical Induction, Fundamentals of Mathematics-II, Binomial Theorem, P & C, Statistics, Mathematical Reasoning, Solution of Triangle, Straight Line	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block Elements & Thermodynamics (Introduction & Definitions + Graph Conversion, Reversible & Irreversible Process, Introduction of First Law, Heat & Internal Energy, Calculation of Work - Isothermal, Isochoric & Isobaric)	Periodic Table, BIN & Chemical Bonding-1 to 3 & Chemical Bonding-4 (Molecular Orbital Theory, Application of Molecular Orbital Theory, Metallic Bonding, Van der Waal's Forces), Chemical Bonding-5 (Fajan Rule & Dipole moment, Acidic and Basic Character) ABC-4 (Carbonyl, Carboxylic acid)
8	23-12-2019 PT-3 JEE (Adv.)	Surface Tension, Elasticity and viscosity, Units and dimensions, Errors and measurement	P & C, Solution of Triangle, Straight Line, Circle	Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block Elements, Thermodynamics & Thermochemistry	Periodic Table, BIN & Chemical Bonding, ABC-4, General Organic Chemistry (GOC-1) (Inductive effect Resonance, Resonance effect (Drawing Structure), Mesomeric effect & SIR, Stability of Resonating structure, Hyperconjugation, Application of I.R., M HC effects (Bond Length & Electron density on benzene ring)
9	30-12-2019 MT JEE (Main)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
10	06-01-2020 MT JEE (Adv.)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
11	10-02-2020 AIOT JEE (Main)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS

PT- Part Test | CT- Cumulative Test | MT- Major Test | AIOT- All India Open Test