

S.NO.	Dispatch Date	PHYSICS	MATHS	CHEMISTRY	
1	14-05-2019 JEE(Main) Practice Test -1 (XI Syllabus)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion & Newton's law's of Motion	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), Quadratic Equation, Trigonometry	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, Mole Concept (Density, % Composition by mass, by mole, Minimum Molecular Mass Determination)	Structural Isomerism, Structural Identification, (ABC-1 (Alkane, Alkene, Alkyne, Benzene) & ABC-2 (Phenol, Aniline))
2	25-06-2019 JEE(Main) Practice Test -2 (XI Syllabus)	Rectilinear Motion, Projectile Motion, Relative Motion, Newton's law's of motion, Friction, Work, Power & Energy, Circular motion, Centre of Mass, Rigid Body Dynamics	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination (Fundamental principle of counting, Permutation and arrangements of objects, Combination, Arrangement of object with few object same, Selection of one or more object)	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, s-block	Periodic Table, BIN, ABC-1 & 2, Chemical Bonding-1 & 2 (VSEPR, Hybridization, Bond angle & Bond length / Bond Strength)
3	17-07-2019 PT-1	Rectilinear Motion, Projectile Motion, Relative Motion	Fundamentals of Mathematics, Quadratic Equation (Equation vs identity, sum product formulae, Higher degree equations sum product also, Nature of roots of quadratic)	Mole concept, Quantum Mechanical model of atom (QMM)	IUPAC Nomenclature & Structural isomerism
4	06-08-2019 CT-1	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, Newton's laws of Motion (NLM)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & Inverse Trigonometric Function (ITF)	Mole Concept, QMM, Periodic Table & Real Gases, Chemical Bonding-1 (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., 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.
5	21-08-2019 PT-2	Geometrical Optics, Newton's laws of Motion, Friction, Work Power & Energy	Quadratic Equation, Relations, Function & ITF, Statistics, Sequence & Series	Mole concept, QMM, Periodic table, Real Gas & Chemical bonding (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, VSEPR, Hybridization)	Structure Identification, POC-1 & 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 : bond length, stability of alkenes and heat of hydrogenation, Application of electronic effect, Aromaticity, definition, condition, Aromaticity in cations and anions, Annulenes, Azulene and anti aromatic compounds
6	10-09-2019 CT-2	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity (Current density and Resistance, Electric power and battery)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & ITF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding ((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, VSEPR, Hybridization, Type of pi-bonding (pp-pp & pp dp bond) & Coordinate bonding, Electron deficient bonding & Back bonding, Multicentered molecules, Hydrogen Bonding & Molecular Orbital Theory, Application of Molecular Orbital Theory, Metallic Bonding, Van der Waal's Forces & Fajan Rule, Dipole moment, Acidic and Basic Character), Chemical Equilibrium	POC-I, 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)

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7	09-10-2019 PT-3	Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion	Matrices & Determinant, Straight Line, Circle, 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^∞ , 0^0 , ∞^0 , ∞^∞ , Limit of the form $\frac{\infty}{\infty}$, Sandwich Theorem, Miscellaneous Problems on limits)	Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compound, Nomenclature	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, Definition & conditions of tautomerism, % Enol content), Polymer, Stereoisomerism
8	26-11-2019 CT-3	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Centre of mass, Rigid Body Dynamics (RBD), Simple Harmonic Motion (SHM), String wave, Sound wave (Propagation of sound waves, Pressure wave and speed of sound waves)	Fundamentals of Mathematics, Quadratic Equation, Relations, Function & ITF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Mathematical Reasoning, Application of Derivatives, Conic Section, Indefinite Integration	Mole Concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I (Dry test – solubility chart, Dilute H_2SO_4 , Group Acidic radicals: CO_3^{2-} , SO_3^{2-} , S^{2-} , NO_2^- , CH_3COO^- , Conc. H_2SO_4 Group Acidic radicals, Analysis of SO_4^{2-} , PO_4^{3-} , BO_3^{3-}) p-Block (Halogen & Noble gases)	Stereoisomerism (Mains), 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_N2 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, 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), Reduction, Oxidation
9	18-12-2019 PT-4	Centre of mass, RBD, SHM, String wave, Sound wave, Wave Optics, Electro Magnetic Waves (EMW), Solid & Semi Conductor, Principle of communication, Error & Measurement	Limits, Continuity & Derivability, Application of Derivatives, Mathematical Reasoning, Conic Section, Indefinite Integration, Definite Integration & Its Application	Coordination compound, Electrochemistry, Metallurgy, s-Block, p-Block (B & C) family, Equivalent concept, Chemical kinetics	ORM-II, ORM-III (Nucleophilic Substitution Reaction S_N1 (Alkyl halide, Alcohol), Nucleophilic Substitution Reaction S_N2 (Alkyl halide, Alcohol, Nucleophilic Substitution Reaction of ether & S_Ni Reaction of alcohol, Aromatic Nucleophilic Substitution Reaction S_N2Ar) & Reduction-Oxidation
10	31-12-2019 AIOT-1	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
11	01-01-2020 MMT-1	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
12	03-01-2020 MMT-2	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
13	18-02-2020 AIOT-2	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
14	07-03-2020 MT	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
15	16-03-2020 JPT-1	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
16	24-03-2020 JPT-2	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
17	31-03-2020 JPT-3	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS