

IIT-JEE(Advanced) Online Test Series Syllabus (2012-13) For Class XI

| S.No. | Online Test Date | | Chemistry Test Syllabus | | Physics Test Syllabus | MATHS Test Syllabus |
|-------|------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Date | Test Type | Physical/Inorganic | Organic | | |
| 1 | 09/09/12 | CT-1 | Mole concept, Atomic Structure, Gaseous State (upto Dalton's law), Periodic table (upto ionisation energy) | IUPAC Nomenclature and Structural Isomerism | Mathematical Tools, Rectilinear motion, Projectile motion, Relative motion, NLM Friction, WPE upto potential energy | Fundamentals of Mathematics – I, Quadratic Equation, Set, Relation & Function, Sequence & Series, Trigonometric ratio, identities |
| 2 | 21-10-2012 | PT-2 | Gaseous state, Chemical equilibrium, Atomic Structure (Quantum model and Nuclear) and PT, Chemical Bonding I, chemical Bonding II (upto Backbonding) (MOT) | | Projectile motion, Relative motion, NLM Friction, WPE Circular motion, Centre of mass, Rotational motion, upto Angular momentum conservation | Sequence & Series, Trigonometric ratio, identities & Equations, Fundamentals of Mathematics – II, Straight Line, Circle |
| 3 | 16-12-2012 | CT-2 | Mole, Atomic, Gaseous, Chemical equilibrium, Thermodynamics, Ionic equilibrium (upto pH calculation of weak acid/base) and Periodic table, Chemical bonding Complete | Electronic Effects 1. Inductive effect 2. Resonance 3. Hyperconjugation | Kinematics, NLM Friction WPE Circular motion, Centre of mass, Rotational motion, Viscosity/ elasticity, Fluid mechanics, Surface tension, SHM, String Waves | Fundamentals of Mathematics – I, Quadratic Equation, Set, Relation & Function, Sequence & Series, Trigonometric ratio, identities & Equations, Fundamentals of Mathematics – II, Straight Line, Circle, Mathematical Reasoning & Principle of Mathematical Induction & Statistics, Solution of Triangle, Limits, Binomial Theorem, P & C & Classical definition of probability |
| 4 | 30-12-2012 | PT-3 | Thermodynamics, Ionic equilibrium (upto titration), Chemical bonding II, III, IV | Aromaticity directive effect Carbocation/Carbanion Tautomerism | Kinematics, NLM Friction WPE Circular motion, Centre of mass, Rotational motion, Viscosity/ elasticity, Fluid mechanics, Surface tension, SHM, String Waves, Sound waves, KTG & Thermodynamics | Mathematical Reasoning & Principle of Mathematical Induction & Statistics, Solution of Triangle, Limits, Binomial Theorem, P & C & Classical definition of probability, Conic section |
| 5 | 20-01-2013 | AIOT | Mole, Atomic, Gaseous, Chemical equilibrium, Thermodynamics, Ionic equilibrium, Mole-2 (upto acid-base titration), Periodic table, Chemical bonding | IUPAC Complete, General organic chemistry, Structural identification, POC | Full Syllabus | Full Syllabus |
| 6 | 17-02-2013 | MT | Mole, Atomic, Gaseous, Chemical Equilibrium, Thermodynamics, Ionic equilibrium, Mole-2, Periodic table, Chemical bonding, s-block, Boron and C-family | Gen. Organic Chemistry | Full Syllabus | Full Syllabus |