

Ai²TS Syllabus

Class XII	Chemistry	Mathematics	Physics
Ai ² TS-1(XII) 19-Sep-22	40% Questions from Class XI topics - Stoichiometry, Gaseous State, Atomic Structure, Periodic Properties, Chemical Bonding, S Block & Hydrogen	40% Questions from Class XI topics - Straight Lines, Circle, Conic Section, Parabola, Ellipse, Hyperbola, Permutation & Combination, Binomial Theorem	40% Questions from Class XI topics - Vectors, Kinematics, Newton's Laws of Motion, Work, Power & Energy Gravitation, SHM & Elasticity
	60% Questions from Class XII topics - Alky & Aryl Halides, Alcohol, Ether & Phenol, Aldehyde & Ketone, Carboxylic Acids & Derivatives Amines, Carbohydrate, Amino Acids, Polymers & POC	60% Questions from Class XII topics - Functions, Limits Continuity & Differentiability, Application of Derivatives, Indefinite Integrals, Definite Integrals	60% Questions from Class XII topics - Electrostatics, Current Electricity, Magnetism
Ai ² TS-2(XII) 28-Nov-22	30% Questions from class XI - Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family, GOC & Isomerism, EAS, Hydrocarbons Chemical Kinetics	30% Questions from class XI topics - Quadratic Equations & Expressions, Logarithms, Complex Numbers, Progression & Series, Trigonometric Ratios and Identities, Solution of Triangle, Trigonometric Equations, Inverse Trigonometric Function	30% Questions from class XI topics - Conservation of Momentum, Rotation & Motion, Fluid, Waves & Sound and Heat & Thermodynamics
	20% Questions on Ai ² TS-1 topics (Class XII topics Only)	20% Questions on Ai ² TS-1 topics (Class XII topics Only)	20% Questions on Ai ² TS-1 topics (Class XII topics Only)
	50% Questions from Class XII topics - Qualitative Analysis, Solid State, Surface chemistry Liquid Solution, Electrochemistry, Transition Elements & Coordination Compounds, Gr 15-18 Groups, Ores & Metallurgy	50% Questions from Class XII topics - Probability, Determinants, Matrices & Vector, 3-D Geometry Area, Differential Equations	50% Questions from Class XII topics - Electromagnetic Induction, Geometrical Optics & Wave Optics, Modern Physics
Ai ² TS-3(XII) 19-Dec-22	100% Stoichiometry, Gaseous State, Atomic Structure, Periodic Properties, Chemical Bonding, S-Block & Hydrogen, Chemical Kinetics, Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family, GOC & Isomerism, EAS, Hydrocarbons	100% Set, Relations & Function, Function, Limits, Continuity & Differentiability, Application of Derivatives, Indefinite Integrals, Definite Integrals, Area, Differential Equations, Straight Lines, Circle, Parabola, Ellipse, Hyperbola	100% Vector, Kinematics, Laws of Motion, Work, Energy & Power, Conservation of Momentum, Rotational Motion, Electrostatics, Current Electricity
Ai ² TS-4(XII) 09-Jan-23	100% Alkyl & Aryl Halides, Alcohol, Ether & Phenol, Aldehyde & Ketone, Carboxylic Acids & Derivatives, Amines, Carbohydrate, Amino Acid, Polymers & POC, Qualitative Analysis, Solid State, Liquid Solution, Transition Elements & Coordination Chemistry, Electrochemistry, Gr-15 to Gr-18 Groups, Ores & Metallurgy	100% Quadratic Equation & Expressions, Complex Numbers, Permutation & Combination, Probability, Binomial Theorem, Progression & Series, Vector, 3D Geometry, Trigonometric Ratios & Identities, Matrices, Determinants	100% Magnetism, Electromagnetic Induction, Heat & Thermodynamics, Gravitation, Fluid, SHM & Elasticity, Waves & Sound, Geometrical Optics, Wave Optics
Ai ² TS-5(XII) After JEE (Main)	Paper 1 (3 Hrs) – Full JEE (Advanced) Syllabus Paper 2 (3 Hrs) – Full JEE (Advanced) Syllabus		
Ai ² TS-6(XII)After JEE (Main)	Paper 1 (3 Hrs) – Full JEE (Advanced) Syllabus Paper 2 (3 Hrs) – Full JEE (Advanced) Syllabus		