

Ai²TS Syllabus

Class IX	Chemistry		Mathematics		Physics	
Ai²TS-1(IX) 11-Sep-23	100%	Matter in Our Surrounding, Properties of Matter	100%	Lines and Angles Linear Equations in Two Variables, Number System, Indices, Surds Coordinate Geometry	100%	Motion
Ai²TS-2(IX) 20-Nov-23	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus
	70%	Is matter around as pure?	70%	Logarithms Triangles Heron's Formula Statistics	70%	Gravitation Laws of Motion
Ai²TS-3(IX) 05-Feb-24	40%	Ai ² TS-1 & Ai ² TS-2 Syllabus	40%	Ai ² TS-1 & Ai ² TS -2 Syllabus	40%	Ai ² TS -1 & Ai ² TS -2 Syllabus
	60%	Atoms, Molecules & Mole Concept	60%	Polynomials Quadrilateral Probability Surface Area and Volume	60%	Fluid Work, Power energy
Ai²TS-4(IX) 08-Apr-24	100%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	100%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	100%	Ai ² TS -1, Ai ² TS -2 & Ai ² TS -3 Syllabus
		Atomic structure		Euclid Geometry Circles Constructions Areas of Parallelogram and Triangles		Sound

Class X	Chemistry		Mathematics		Physics	
Ai²TS-1(X) 28-Aug-23	100%	Acid, Base & Salts Chemical Reactions	100%	Linear Equations in Two Variables Polynomials Real Numbers Coordinate Geometry	100%	Electricity and its Heating and Chemical Effects
Ai²TS-2(X) 30-Oct-23	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus
	70%	Metals and Non-Metals	70%	Similar Triangles Trigonometry Area Related to Circle Probability Logarithms	70%	Magnetic Effect of Electric Current Source of Energy
Ai²TS-3(X) 29-Jan-24	40%	Ai ² TS-1 & Ai ² TS-2 Syllabus	40%	Ai ² TS-1 & Ai ² TS -2 Syllabus	40%	Ai ² TS -1 & Ai ² TS -2 Syllabus
	60%	Carbon & Its Compounds	60%	Quadratic Equations Arithmetic Progressions Constructions Tangents to a Circle	60%	Light
Ai²TS-4(X) 01-Apr-24	100%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	100%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	100%	Ai ² TS -1, Ai ² TS -2 & Ai ² TS -3 Syllabus
		Periodic Classification		Application of Trigonometry Statistics Surface Area and Volume		The Human Eye & The Colourful World

Class XI	Chemistry		Mathematics		Physics	
Ai²TS-1(XI) 11-Sep-23	100%	Mole Concept & Stoichiometry Gaseous State Atomic Structure	100%	Basic Mathematics Trigonometric Ratios & Identities Straight Line	100%	Vectors Kinematics Laws Of Motion
Ai²TS-2(XI) 18-Dec-23	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus
	70%	Chemical Bonding Periodic Properties Group 1 & Group 2 Hydrogen & Its Compounds	70%	Circle Quadratic Equations & Expressions Logarithms Progression and Series	70%	Work Power & Energy Conservation Of Momentum
Ai²TS-3(XI) 05-Feb-24	40%	Ai ² TS-1 & Ai ² TS-2 Syllabus	40%	Ai ² TS-1 & Ai ² TS -2 Syllabus	40%	Ai ² TS -1 & Ai ² TS -2 Syllabus
	60%	Chemical Kinetics Chemical Equilibrium Ionic Equilibrium Thermochemistry & Thermodynamics	60%	Parabola Trigonometric Equations & Inv. Trig. Ellipse Hyperbola	60%	Rotational Motion Gravitation Simple Harmonic Motion & Elasticity
Ai²TS-4(XI) 01-Apr-24	40%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	40%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus	40%	Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus
	60%	Boron & Carbon Family GOC & Isomerism Electrophilic Aromatic Substitution Hydrocarbons Environmental Chemistry	60%	Permutation & Combination Binomial Theorem Complex Number Solution Of Triangle	60%	Fluids Waves & Sound Heat & Thermodynamics

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Class XII		Chemistry	Mathematics	Physics		
Ai ² TS-1(XII) 10-Jul-23	40%	Questions from Class XI th topics - Stoichiometry, Gaseous State, Atomic Structure, Periodic Properties	40%	Questions from Class XI th topics - Straight Lines, Circle, Conic Section, Parabola, Ellipse, Hyperbola	40%	Questions from Class XI th Topics- Vectors, Kinematics, Newton's Laws of Motion, Work, Power & Energy
	60%	Questions from Class XII th topics – Alky & Aryl Halides, Alcohol, Ether & Phenol, Aldehyde & Ketone	60%	Questions from Class XII th topics - Functions, Limits Continuity & Differentiability, Application of Derivatives	60%	Questions from Class XII th topics - Electrostatics, Current Electricity
Ai ² TS-2(XII) 21-Aug-23	30%	Questions from class XI th topics - Chemical Bonding, S Block & Hydrogen, Chemical Kinetics	30%	Questions from class XI th topics - Permutation & Combination, Binomial Theorem	30%	Questions from class XI th topics - Gravitation, SHM & Elasticity
	20%	Questions on Ai ² TS-1 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1 topics (Class XII th topics Only)
	50%	Questions from Class XII th topics - Carboxylic Acids & Derivatives Amines, Carbohydrate, Amino Acids, Polymers & POC	50%	Questions from Class XII th topics - Indefinite Integrals, Definite Integrals, Area, Differential Equations	50%	Questions from Class XII th topics Magnetism
Ai ² TS-3(XII) 25-Sep-23	30%	Questions from class XI th topics - Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family, Solid State	30%	Questions from class XI th topics - Quadratic Equations & Expressions, Logarithms, Complex Numbers	30%	Questions from class XI th topics - Conservation of Momentum, Rotation & Motion, Fluid
	20%	Questions on Ai ² TS-1 & Ai ² TS-2 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1 & Ai ² TS-2 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1 & Ai ² TS-2 topics (Class XII th topics Only)
	50%	Questions from Class XII th topics - Qualitative Analysis, Solid State, Liquid Solution	50%	50% Questions from Class XII th topics - Probability, Determinants, Matrices & Vector	50%	Questions from Class XII th topics Electromagnetic Induction
Ai ² TS-4(XII) 06-Nov-23	30%	Questions from class XI th topics – GOC & Isomerism, EAS, Hydrocarbons	30%	Questions from class XI th topics - Progression & Series, Trigonometric Ratios and Identities, Solution of Triangle, Trigonometric Equations, Inverse Trigonometric Function	30%	Questions from class XI th topics – Waves & Sound and Heat & Thermodynamics
	20%	Questions on Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 topics (Class XII th topics Only)	20%	Questions on Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 topics (Class XII th topics Only)
	50%	Questions from Class XII th topics – Electrochemistry, d b block Transition Elements & Coordination, f block Compounds, Gr 15-18 Groups, Ores & Metallurgy	50%	Questions from Class XII th topics - 3-D Geometry	50%	Questions from Class XII th topics - Geometrical Optics & Wave Optics, Modern Physics
Ai ² TS-5(XII) 25-Dec-23	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, Environmental Chemistry, Chemistry in everyday life d & f block	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-6(XII) 05-Feb-24	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 Equations & 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

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Ai²TS-7(XII) After JEE (Main)	Paper 1 (3 Hrs) – Full JEE (Advanced) Syllabus Paper 2 (3 Hrs) – Full JEE (Advanced) Syllabus
Ai²TS- 8(XII)After JEE (Main)	Paper 1 (3 Hrs) – Full JEE (Advanced) Syllabus Paper 2 (3 Hrs) – Full JEE (Advanced) Syllabus
