Ai²TS SYLLABUS

The syllabus for classes **IX, X & XI** are exclusive and only cover the current years coverage however for class **XII** the syllabus covers all the topics which are listed in the JEE Syllabus.

CLASS	Ai²TS	CHEMISTRY		MATHEMATICS		PHYSICS	
IX	**Ai²TS-1(IX)** *19-Aug-19*	100%	Matter in Our Surrounding, Properties of Matter	100%	Euclid Geometry Lines and Angles Number System, Indices, Surds & Polynomials	100%	Motion
	Ai²TS-2(IX) *25-Nov-19*	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus
		70%	Is matter around as pure?	70%	Logarithms Co-ordinate Geometry Triangles	70%	Gravitation Laws of Motion
	Ai²TS-3(IX) *06-Jan-20*	40%	Ai²TS-1 & Ai²TS-2 Syllabus	40%	Ai²TS-1 & Ai²TS -2 Syllabus	40%	Ai²TS -1 & Ai²TS -2 Syllabus
		60%	Atoms, Molecules & Mole Concept	60%	Areas of Parallelogram and Triangles Linear Equations in Two Variables Quadrilateral Heron's Formula	60%	Fluid Work, Power energy
	Ai²TS-4(IX) *17-Feb-20*	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS -1, Ai²TS -2 & Ai²TS -3 Syllabus
		60%	Atomic structure	60%	Circles Constructions Probability Statistics Surface Area and Volume	60%	Sound

CLASS	Ai²TS	CHEMISTRY		MATHEMATICS		PHYSICS	
X	**Ai²TS-1(X)** *15-Jul-19*	100%	Acid Base And Salts Chemical Reactions	100%	Arithmetic Progressions Linear Equations in Two Variables Polynomials Quadratic Equations Real Numbers	100%	Electricity and its Heating and Chemical Effects
	Ai²TS-2(X) *16-Sep-19*	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus
		70%	Metals and Non Metals	70%	Similar Triangles Trigonometry Application of Trigonometry Logarithms	70%	Magnetic Effect of Electric Current Source of Energy
	Ai²TS-3(X) *02-Dec-19*	40%	Ai²TS-1 & Ai²TS-2 Syllabus	40%	Ai²TS-1 & Ai²TS -2 Syllabus	40%	Ai²TS -1 & Ai²TS -2 Syllabus
		60%	Carbon & Its Compounds	60%	Co-ordinate Geometry Constructions Tangents to a Circle Statistics	60%	Light
	Ai²TS-4(X) *03-Feb-20*	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS -1, Ai²TS -2 & Ai²TS -3 Syllabus
		60%	Periodic Classification	60%	Area Related to Circle Probability Surface Area and Volume	60%	The Human Eye & The Colourful World

CLASS	Ai²TS	CHEMISTRY		MATHEMATICS		PHYSICS	
XI	**Ai²TS-1(XI)** *16-Sep-19*	100%	Mole Concept, Balancing of redox reactions & Stoichiometry Gaseous State Atomic Structure Periodic Properties	100%	Straight Line Trigonometry Trigonometry Ratios & Identities	100%	Units & Dimensions Vectors Kinematics
	Ai²TS-2(XI) *25-Nov-19*	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus	30%	Ai²TS-1 Syllabus
		70%	Chemical Bonding Group 1 & Group 2 Hydrogen & Its Compounds Chemical Equilibrium	70%	Circles Parabola	70%	Laws Of Motion Work Power & Energy Conservation Of Momentum
	Ai²TS-3(XI) *06-Jan-20*	40%	Ai²TS-1 & Ai²TS-2 Syllabus	40%	Ai²TS-1 & Ai²TS -2 Syllabus	40%	Ai²TS -1 & Ai²TS -2 Syllabus
		60%	Ionic Equilibrium Thermodynamics Solid State Group 13 & Group 14	60%	Ellipse Hyperbola Quadratic Equations & Expressions	60%	Rotational Motion Gravitation Fluids
	Ai²TS-4(XI) *16-Mar-20*	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS-1, Ai²TS-2 & Ai²TS-3 Syllabus	40%	Ai²TS -1, Ai²TS -2 & Ai²TS -3 Syllabus
		60%	General Organic Chemistry Isomerism Electrophilic Aromatic Substitution Hydrocarbons	60%	Binomial Theorem Permutation & Combination Progression and Series Solution Of Triangle Trigonometric Equations Complex Numbers	60%	Simple Harmonic Motion Waves & Sound Heat & Thermodynamics

Ai²TS SYLLABUS

CLASS	Ai²TS	CHEMISTRY	MATHEMATICS	PHYSICS
XII	**Ai²TS-1(XII)** *15-Jul-19*	40% Questions from Class XIth topics - Stoichiometry, Gaseous State, Atomic Structure, Periodic Properties 60% Questions from Class XIIth topics - Alky & Aryl Halides, Alcohol, Ether & Phenol, Aldehyde & Ketone	40% Questions from Class XIth topics - Straight Lines, Circle, Conic Section, Parabola, Ellipse, Hyperbola 60% Questions from Class XIIth topics - Functions, Limits Continuity & Differentiability, Application of Derivatives	40% Questions from Class XIth topics - Vectors, Kinematics, Newton's Laws of Motion, Work, Power & Energy 60% Questions from Class XIIth topics - Electrostatics, Current Electricity
	Ai²TS-2(XII) *05-Aug-19*	30% Questions from class XIth topics - Chemical Bonding, S Block & Hydrogen, Chemical Kinetics 20% Questions on Ai²TS-1 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Carboxylic Acids & Derivatives Amines, Carbohydrate, Amino Acids, Polymers & POC	30% Questions from class XIth topics - Permutation & Combination, Binomial Theorem 20% Questions on Ai²TS-1 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Indefinite Integrals, Definite Integrals, Area, Differential Equations	30% Questions from class XIth topics - Gravitation, SHM & Elasticity 20% Questions on Ai²TS-1 topics (Class XII topics Only) 50% Questions from Class XIIth topics – Magnetism
	Ai²TS-3(XII) *09-Sep-19*	30% Questions from class XIth topics - Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family, Solid State 20% Questions on Ai²TS-1 & Ai²TS-2 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Qualitative Analysis, Solid State, Liquid Solution, Electrochemistry	30% Questions from class XIth topics - Quadratic Equations & Expressions, Logarithms, Complex Numbers 20% Questions on Ai²TS-1 & Ai²TS-2 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Probability, Determinants, Matrices & Vector	30% Questions from class XIth topics - Conservation of Momentum, Rotation & Motion, Fluid 20% Questions on Ai²TS-1 & Ai²TS-2 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Electromagnetic Induction
	Ai²TS-4(XII) *14-Oct-19*	30% Questions from class XIth topics - GOC & Isomerism, EAS, Hydrocarbons 20% Questions on Ai²TS-1, Ai²TS-2 & Ai²TS-3 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Transition Elements & Coordination Compounds, Gr 15-18 Groups, Ores & Metallurgy	30% Questions from class XIth topics - Progression & Series, Trigonometric Ratios and Identities, Solution of Triangle, Trigonometric Equations, Inverse Trigonometric Function 20% Questions on Ai²TS-1, Ai²TS-2 & Ai²TS-3 topics (Class XII topics Only) 50% Questions from Class XIIth topics - 3-D Geometry	30% Questions from class XIth topics - Waves & Sound and Heat & Thermodynamics 20% Questions on Ai²TS-1, Ai²TS-2 & Ai²TS-3 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Geometrical Optics & Wave Optics, Modern Physics
	Ai²TS-5(XII) *11-Nov-19*	Stoichiometry Gaseous State Atomic Structure Periodic Properties Chemical Bonding S-Block & Hydrogen Chemical Kinetics Thermo chemistry & Thermodynamics	Set, Relations & Function Function Limits, Continuity & Differentiability Application of Derivatives Indefinite Integrals Definite Integrals	Vector Kinematics Laws of Motion Work, Energy & Power Conservation of Momentum
	Ai²TS-6(XII) *02-Dec-19*	Chemical Equilibrium Ionic Equilibrium Boron & Carbon Family GOC & Isomerism EAS Hydrocarbons	Area Differential Equations Straight Lines Circle Parabola Ellipse Hyperbola	Rotational Motion Electrostatics Current Electricity
	Ai²TS-7(XII) *20-Jan-20*	Alkyl & Aryl Halides Alcohol, Ether & Phenol Aldehyde & Ketone Carboxylic Acids & Derivatives Amines Carbohydrate, Amino Acid, Polymers & POC	Quadratic Equation & Expressions Complex Numbers Permutation & Combination Probability Binomial Theorem Progression & Series	Magnetism Electromagnetic Induction Heat & Thermodynamics Gravitation Fluid
	Ai²TS-8(XII) *17-Feb-20*	Qualitative Analysis Solid State Liquid Solution Transition Elements & Coordination Chemistry Electrochemistry Gr-15 to Gr-18 Groups Ores & Metallurgy	Vector 3D Geometry Trigonometric Ratios & Identities Matrices Determinants	SHM & Elasticity Waves & Sound Geometrical Optics Wave Optics
	Ai²TS-9(XII) *20-Apr-20*	***PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS*** ***PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS***		
	Ai²TS-10(XII) *27-Apr-20*	***PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS*** ***PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS***		

TEST PLAN

Ai²TS	DATE OF EXAM	TIME OF EXAM	PRE – TEST	TEST DAY	POST – TEST		
			DAY 1	DAY 4	DAY 5	DAY 6	DAY 7
			Mailing of Question Paper	Test Conduction & Attendance	OMR Scanning & Key Error Reporting	Response Extraction & Validation	Result Import/ Validation/ Finalization
Ai²TS-1(IX)	19-Aug-19	16:00 – 19:00	16-Aug-19	19-Aug-19	20-Aug-19	21-Aug-19	22-Aug-19
Ai²TS-2(IX)	25-Nov-19	16:00 – 19:00	22-Nov-19	25-Nov-19	26-Nov-19	27-Nov-19	28-Nov-19
Ai²TS-3(IX)	06-Jan-20	16:00 – 19:00	03-Jan-20	06-Jan-20	07-Jan-20	08-Jan-20	09-Jan-20
Ai²TS-4(IX)	17-Feb-20	16:00 – 19:00	14-Feb-20	17-Feb-20	18-Feb-20	19-Feb-20	20-Feb-20
Ai²TS-1(X)	15-Jul-19	16:00 – 19:00	12-Jul-19	15-Jul-19	16-Jul-19	17-Jul-19	18-Jul-19
Ai²TS-2(X)	16-Sep-19	16:00 – 19:00	06-Sep-19	09-Sep-19	10-Sep-19	11-Sep-19	12-Sep-19
Ai²TS-3(X)	02-Dec-19	16:00 – 19:00	29-Nov-19	02-Dec-19	03-Dec-19	04-Dec-19	05-Dec-19
Ai²TS-4(X)	03-Feb-20	16:00 – 19:00	31-Jan-20	03-Feb-20	04-Feb-20	05-Feb-20	06-Feb-20
Ai²TS-1(XI)	16-Sep-19	16:00 – 19:00	06-Sep-19	16-Sep-19	17-Sep-19	18-Sep-19	19-Sep-19
Ai²TS-2(XI)	25-Nov-19	16:00 – 19:00	22-Nov-19	25-Nov-19	26-Nov-19	27-Nov-19	28-Nov-19
Ai²TS-3(XI)	06-Jan-20	16:00 – 19:00	03-Jan-20	06-Jan-20	07-Jan-20	08-Jan-20	09-Jan-20
Ai²TS-4(XI)	16-Mar-20	16:00 – 19:00	13-Mar-20	16-Mar-20	17-Mar-20	18-Mar-20	19-Mar-20
Ai²TS-1(XII)	15-Jul-19	16:00 – 19:00	12-Jul-19	15-Jul-19	16-Jul-19	17-Jul-19	18-Jul-19
Ai²TS-2(XII)	05-Aug-19	16:00 – 19:00	02-Aug-19	05-Aug-19	06-Aug-19	07-Aug-19	08-Aug-19
Ai²TS-3(XII)	09-Sep-19	16:00 – 19:00	06-Sep-19	09-Sep-19	10-Sep-19	11-Sep-19	12-Sep-19
Ai²TS-4(XII)	14-Oct-19	16:00 – 19:00	11-Oct-19	14-Oct-19	15-Oct-19	16-Oct-19	17-Oct-19
Ai²TS-5(XII)	11-Nov-19	16:00 – 19:00	08-Nov-19	11-Nov-19	12-Nov-19	13-Nov-19	14-Nov-19
Ai²TS-6(XII)	02-Dec-19	16:00 – 19:00	29-Nov-19	02-Dec-19	03-Dec-19	04-Dec-19	05-Dec-19
Ai²TS-7(XII)	20-Jan-20	16:00 – 19:00	17-Jan-20	20-Jan-20	21-Jan-20	22-Jan-20	23-Jan-20
Ai²TS-8(XII)	17-Feb-20	16:00 – 19:00	14-Feb-20	17-Feb-20	18-Feb-20	19-Feb-20	20-Feb-20
Ai²TS-9(XII) – Paper 1	20-Apr-20	10:00 – 13:00	17-Apr-20	20-Apr-20	21-Apr-20	22-Apr-20	23-Apr-20
Ai²TS-9(XII) – Paper 2		14:00 – 17:00					
Ai²TS-10(XII) – Paper 1	27-Apr-20	10:00 – 13:00	24-Apr-20	27-Apr-20	28-Apr-20	29-Apr-20	30-Apr-20
Ai²TS-10(XII) – Paper 2		14:00 – 17:00					