

TEST PLAN



For class groups **IX, X & XI** there are **4 tests** scheduled whereas a total of **10 tests** are scheduled for class **XII** which allows adequate opportunities to test & cover the syllabus of previous classes too without having to compromise on the coverage of the current year’s course. Given below is the complete schedule for all the tests and alongside the pattern is specified for the papers.

						LEVEL OF DIFFICULTY SUBJECT WISE		
Class	Ai ² TS Name	Date of Exam	Day of Exam	Time of Exam	PATTERN	PHYSICS	CHEMISTRY	MATHEMATICS
IX	Ai ² TS-1(IX)	31-Aug-15	Monday	16:00 - 19:00	APT-4	EASY	MEDIUM	MEDIUM
	Ai ² TS-2(IX)	26-Oct-15	Monday	16:00 - 19:00	APT-2	MEDIUM	MEDIUM	EASY
	Ai ² TS-3(IX)	11-Jan-16	Monday	16:00 - 19:00	APT-1	MEDIUM	DIFF	MEDIUM
	Ai ² TS-4(IX)	29-Feb-16	Monday	16:00 - 19:00	APT-5	DIFF	EASY	DIFF
Class	Ai ² TS Name	Date of Exam	Day of Exam	Time of Exam	PATTERN	PHYSICS	CHEMISTRY	MATHEMATICS
X	Ai ² TS-1(X)	27-Jul-15	Monday	16:00 - 19:00	APT-4	EASY	MEDIUM	MEDIUM
	Ai ² TS-2(X)	31-Aug-15	Monday	16:00 - 19:00	APT-2	MEDIUM	MEDIUM	EASY
	Ai ² TS-3(X)	12-Oct-15	Monday	16:00 - 19:00	APT-1	MEDIUM	DIFF	MEDIUM
	Ai ² TS-4(X)	23-Nov-15	Monday	16:00 - 19:00	APT-5	DIFF	EASY	DIFF
Class	Ai ² TS Name	Date of Exam	Day of Exam	Time of Exam	PATTERN	PHYSICS	CHEMISTRY	MATHEMATICS
XI	Ai ² TS-1(XI)	17-Aug-15	Monday	16:00 - 19:00	APT-4	EASY	MEDIUM	MEDIUM
	Ai ² TS-2(XI)	12-Oct-15	Monday	16:00 - 19:00	APT-2	MEDIUM	MEDIUM	EASY
	Ai ² TS-3(XI)	04-Jan-16	Monday	16:00 - 19:00	APT-1	MEDIUM	DIFF	MEDIUM
	Ai ² TS-4(XI)	29-Feb-16	Monday	16:00 - 19:00	APT-5	DIFF	EASY	DIFF
Class	Ai ² TS Name	Date of Exam	Day of Exam	Time of Exam	PATTERN	PHYSICS	CHEMISTRY	MATHEMATICS
XII	Ai ² TS-1(XII)	27-Jul-15	Monday	16:00 - 19:00	APT-4	EASY	MEDIUM	MEDIUM
	Ai ² TS-2(XII)	24-Aug-15	Monday	16:00 - 19:00	APT-2	MEDIUM	MEDIUM	EASY
	Ai ² TS-3(XII)	21-Sep-15	Monday	16:00 - 19:00	APT-3	MEDIUM	DIFF	MEDIUM
	Ai ² TS-4(XII)	19-Oct-15	Monday	16:00 - 19:00	APT-1	DIFF	EASY	DIFF
	Ai ² TS-5(XII)	16-Nov-15	Monday	16:00 - 19:00	APT-5	EASY	MEDIUM	MEDIUM
	Ai ² TS-6(XII)	14-Dec-15	Monday	16:00 - 19:00	APT-3	MEDIUM	MEDIUM	EASY
	Ai ² TS-7(XII)	11-Jan-16	Monday	16:00 - 19:00	APT-4	MEDIUM	DIFF	MEDIUM
	Ai ² TS-8(XII)	08-Feb-16	Monday	16:00 - 19:00	APT-6	DIFF	DIFF	DIFF
	Ai ² TS-9(XII)	04-Apr-16	Monday	16:00 - 19:00	APT-5	MEDIUM	MEDIUM	MEDIUM
	Ai ² TS-10(XII)	21-Apr-16	Monday	16:00 - 19:00	APT-1	DIFF	EASY	DIFF

TEST PATTERNS



All the test patterns are designed keeping the JEE Advanced papers into account. Since the idea is to prepare the students for any unforeseen changes in the pattern of IITJEE so we have multiple patterns which will be used and the students would have no idea about the pattern before opening the question paper.

	APT 1				APT 2			
	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME
SINGLE CHOICE	6	+3	-1	3 Min	8	+3	-1	3 Min
MULTIPLE CHOICE					6	+4	-0	3 Min
ASSERTION REASON	3	+3	-1	3 Min				
MATCHING TYPE	2	+8	-0	6 Min				
NUMERICAL								
COMPREHENSION	6	+4	-1	4 Min	6	+3	-1	4 Min
TOTAL	17	+67	-15	63 Min	20	+66	-14	66 Min

	APT 3				APT 4			
	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME
SINGLE CHOICE	10	+2	-0	3 Min	8	+3	-1	3 Min
MULTIPLE CHOICE	5	+4	-1	3 Min	8	+3	-1	3 Min
ASSERTION REASON								
MATCHING TYPE								
NUMERICAL	5	+4	-1	3 Min				
COMPREHENSION					4	+3	-0	4 Min
TOTAL	20	+60	-10	60 Min	20	+60	-16	64 Min

	APT 5				APT 6			
	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME	QUESTIONS	MARKS	NEGATIVE	EXPECTED TIME
SINGLE CHOICE	7	+3	-1	3 Min	8	+3	1	3 Min
MULTIPLE CHOICE	4	+4	-0	3 Min	4	+4	0	3 Min
ASSERTION REASON								
MATCHING TYPE					2	8	0	6 Min
NUMERICAL	5	+4	-1	3 Min	6	4	0	3 Min
COMPREHENSION	4	+3	-0	4 Min				
TOTAL	20	+69	-12	64 Min	20	80	-8	66 Min

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. The coverage is defined in a way that every student can appear in the exam irrespective of the program, board or lot the student is in.

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

CLASS	Ai ² TS	CHEMISTRY		MATHEMATICS		PHYSICS	
X	Ai²TS-1	100%	Acid Base And Salts Chemical Reactions	100%	Linear Equations in Two Variables Polynomials Real Numbers	100%	Domestic Electric Circuits Electricity
		30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus
	Ai²TS-2	70%	Metals and Non Metals	70%	Similar Triangles Statistics Trigonometry Application of Trigonometry	70%	Magnetic Effect of Electric Current Source of Energy
		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
	Ai²TS-3	60%	Carbon & Its Compounds	60%	Arithmetic Progressions Constructions Quadratic Equations Tangents to a Circle	60%	Light
		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
	Ai²TS-4	60%	Periodic Classification	60%	Area Related to Circle Co-ordinate Geometry Probability Surface Area and Volume	60%	The Human Eye & The Colourful World

CLASS	Ai ² TS	CHEMISTRY		MATHEMATICS		PHYSICS	
XI	Ai²TS-1	100%	Atomic Structure Basic Concepts of Chemistry Periodic Properties Purification & Characterization	100%	Log Mathematical Reasoning Partial Fractions Trigonometry	100%	Units & Dimensions Vectors
		30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus	30%	Ai ² TS-1 Syllabus
	Ai²TS-2	70%	Chemical Bonding Gaseous State Group 1 Group 2 Hydrogen & Its Compounds Stoichiometry	70%	Basic Mathematics Circles Straight Line Trigonometry Ratios & Identities	70%	Kinematics Laws Of Motion Work Power & Energy
		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
	Ai²TS-3	60%	Group 13 Group 14 Thermodynamics	60%	Binomial Theorem Mathematical Induction Quadratic Equations & Expressions	60%	Conservation Of Momentum
		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
	Ai²TS-4	60%	Electrophilic Aromatic Substitution Reactions Environmental Chemistry General Organic Chemistry Hydrocarbons Isomerism	60%	Permutation & Combination Progression and Series Solution Of Triangle Statistics Trigonometric Equations	60%	Fluids Heat & Thermodynamics Simple Harmonic Motion

TEST SYLLABUS

CLASS	Ai ² TS	CHEMISTRY	MATHEMATICS	PHYSICS
XII	Ai ² TS-1	Syllabus of Class XIth class (topics-Atomic Structure, Periodic Properties, Chemical Bonding, Stoichiometry, Gaseous State, S Block & Hydrogen) Syllabus of Class XIIth (topics-Alky & Aryl Halides Alcohol, Ether & Phenol Aldehyde & Ketone Carboxylic Acids & Derivatives Amines)	Syllabus of Class XIth class (topics-Vectors, Kinematics, Newton's Laws of Motion, Work, Power & Energy) Syllabus of Class XIIth (topics- Electrostatics, Current Electricity, Magnetism)	Syllabus of Class XIth class (topics- Basic Mathematics, Trigonometric Ratios and Identities, Straight Lines, Circle) Syllabus of Class XIIth (topics- Functions, Limits Continuity & Differentiability, Application of Derivatives, Indefinite Integrals, Definite Integrals)
	Ai ² TS-2	30% syllabus of XIth class (topics-GOC Isomerism & EAS), 20% syllabus from AliTS1 topics (Class XII) & from Qualitative Analysis, Solid State & Liquid Solution topics	30% syllabus of XIth class (topics- Gravitation, SHM & Elasticity), 20% syllabus from AliTS1 topics (Class XII) & from Electromagnetic Induction topic	30% syllabus of XIth class (topics- Permutation & Combination, Binomial Theorem, Ellipse, Hyperbola), 20% syllabus from AliTS1 topics (Class XII) & from Area, Differential Equations & Probability topics
	Ai ² TS-3	30% syllabus of XIth class (topics-Chemical Kinetics, Chemical Equilibrium, Ionic Equilibrium), 10% syllabus from AliTS1 topics (Class XII), 10% syllabus from AliTS2 topics (Class XII) & from Transition Elements & Coordination Chemistry & Electrochemistry topics	30% syllabus of XIth class (topics- Conservation of Momentum, Rotation & Motion, Fluid), 10% syllabus from AliTS1 topics (Class XII), 10% from AliTS2 topics (Class XII) & from Geometrical Optics & Wave Optics topics	30% syllabus of XIth class (topics- Parabola, Quadratic Equations & Expressions, Logarithms, Complex Numbers), 10% syllabus from AliTS1 topics (Class XII), 10% syllabus from AliTS2 topics (Class XII) & from Determinants, Matrices & Vector topics
	Ai ² TS-4	20% syllabus of XIth class (topics- Equilibrium, Thermo chemistry & Thermodynamics, Boron & Carbon Family, Hydrocarbons), 10% syllabus from AliTS1 topics (Class XII), 10% syllabus from AliTS2 topics (Class XII), 10% syllabus from AliTS3 topics (Class XII) & from Gr 15-18 Groups, Ores & Metallurgy topics	20% syllabus of XIth class (topics- Waves & Sound and Heat & Thermodynamics), 10% syllabus from AliTS1 topics (Class XII), 10% syllabus from AliTS2 topics (Class XII), 10% syllabus from AliTS3 topics (Class XII) & from Modern Physics topic	20% syllabus of XIth class (topics- Progression & Series, Solution of Triangle, Trigonometric Equations), 10% syllabus from AliTS1 topics (Class XII), 10% syllabus from AliTS2 topics (Class XII), 10% syllabus from AliTS3 topics (Class XII) & from 3-D Geometry topic
	Ai ² TS-5	Atomic Structure, Chemical Bonding, Chemical Kinetics, Chemical Equilibrium,	Vector, Kinematics, Newton's Laws of Motion, Work, Power & Energy	General Mathematics, Set Relation Function, Function, Limits, Continuity & Differentiability
	Ai ² TS-6	Ionic Equilibrium, S-Block & Hydrogen, Chemistry in Everyday Life, GOC & Isomerism, EAS, Hydrocarbons, Alkyl & Aryl Halides	Conservation of Momentum, Rotational Motion	Application of Derivatives, Indefinite Integrals, Definite Integrals, Area, Differential Equations, Straight Lines
	Ai ² TS-7	Alcohol, Ether & Phenol, Boron & Carbon Family, Aldehyde & Ketone, Carboxylic Acids & Derivatives, Amines, Carbohydrate, Amino Acid, Polymers & POC	Electrostatics, Current Electricity, Magnetism, Electromagnetic Induction	Circle, Parabola, Ellipse, Hyperbola, Quadratic Equation & Expressions, Mathematical Induction, Complex Numbers, Permutation & Combination
	Ai ² TS-8	Stoichiometry, Gaseous State, Gr-15 to Gr-18 Groups, Solid State, Liquid Solution, Transition Elements & Coordination Chemistry	Heat & Thermodynamics, Gravitation, Fluid, SHM & Elasticity, Waves & Sound	Probability, Mathematical Reasoning, Binomial Theorem, Progression & Series, Vector, 3D Geometry, Trigonometric Ratios & Identities, Height & Distance
	Ai ² TS-9	Electrochemistry, Thermo chemistry & Thermodynamics, Qualitative Analysis, Ores & Metallurgy	Geometrical Optics, Wave Optics, Modern Physics, Error Analysis	Trigonometric Equations, Solution of Triangles, Determinants, Matrices, Statistics
	Ai ² TS-10	FULL IIT JEE SYLLABUS		