

# TEST PLAN



Ai <sup>2</sup> TS Name	DATE OF EXAM	TIME OF EXAM	PRE – TEST	TEST DAY	POST - TEST		
			DAY 1	Day 3	Day 4	Day 5	Day 6
			Mailing of Question Paper	Test Conduction & Attendance	OMR Scanning & Key Error Reporting	Response Extraction & Validation	Result Import/ Validation/ Finalization
Ai <sup>2</sup> TS-1(IX)	29-Aug-16	16:00 – 19:00	27-Aug-16	29-Aug-16	30-Aug-16	31-Aug-16	01-Sep-16
Ai <sup>2</sup> TS-2(IX)	24-Oct-16	16:00 – 19:00	22-Oct-16	24-Oct-16	25-Oct-16	26-Oct-16	27-Oct-16
Ai <sup>2</sup> TS-3(IX)	16-Jan-17	16:00 – 19:00	14-Jan-17	16-Jan-17	17-Jan-17	18-Jan-17	19-Jan-17
Ai <sup>2</sup> TS-4(IX)	06-Mar-17	16:00 – 19:00	04-Mar-17	06-Mar-17	07-Mar-17	08-Mar-17	09-Mar-17
Ai <sup>2</sup> TS-1(X)	01-Aug-16	16:00 – 19:00	30-Jul-16	01-Aug-16	02-Aug-16	03-Aug-16	04-Aug-16
Ai <sup>2</sup> TS-2(X)	19-Sep-16	16:00 – 19:00	17-Sep-16	19-Sep-16	20-Sep-16	21-Sep-16	22-Sep-16
Ai <sup>2</sup> TS-3(X)	24-Oct-16	16:00 – 19:00	22-Oct-16	24-Oct-16	25-Oct-16	26-Oct-16	27-Oct-16
Ai <sup>2</sup> TS-4(X)	19-Dec-16	16:00 – 19:00	17-Dec-16	19-Dec-16	20-Dec-16	21-Dec-16	22-Dec-16
Ai <sup>2</sup> TS-1(XI)	22-Aug-16	16:00 – 19:00	20-Aug-16	22-Aug-16	23-Aug-16	24-Aug-16	25-Aug-16
Ai <sup>2</sup> TS-2(XI)	17-Oct-16	16:00 – 19:00	15-Oct-16	17-Oct-16	18-Oct-16	19-Oct-16	20-Oct-16
Ai <sup>2</sup> TS-3(XI)	09-Jan-17	16:00 – 19:00	07-Jan-17	09-Jan-17	10-Jan-17	11-Jan-17	12-Jan-17
Ai <sup>2</sup> TS-4(XI)	06-Mar-17	16:00 – 19:00	04-Mar-17	06-Mar-17	07-Mar-17	08-Mar-17	09-Mar-17
Ai <sup>2</sup> TS-1(XII)	18-Jul-16	16:00 – 19:00	16-Jul-16	18-Jul-16	19-Jul-16	20-Jul-16	21-Jul-16
Ai <sup>2</sup> TS-2(XII)	22-Aug-16	16:00 – 19:00	20-Aug-16	22-Aug-16	23-Aug-16	24-Aug-16	25-Aug-16
Ai <sup>2</sup> TS-3(XII)	26-Sep-16	16:00 – 19:00	24-Sep-16	26-Sep-16	27-Sep-16	28-Sep-16	29-Sep-16
Ai <sup>2</sup> TS-4(XII)	24-Oct-16	16:00 – 19:00	22-Oct-16	24-Oct-16	25-Oct-16	26-Oct-16	27-Oct-16
Ai <sup>2</sup> TS-5(XII)	28-Nov-16	16:00 – 19:00	26-Nov-16	28-Nov-16	29-Nov-16	30-Nov-16	01-Dec-16
Ai <sup>2</sup> TS-6(XII)	19-Dec-16	16:00 – 19:00	17-Dec-16	19-Dec-16	20-Dec-16	21-Dec-16	22-Dec-16
Ai <sup>2</sup> TS-7(XII)	16-Jan-17	16:00 – 19:00	14-Jan-17	16-Jan-17	17-Jan-17	18-Jan-17	19-Jan-17
Ai <sup>2</sup> TS-8(XII)	20-Feb-17	16:00 – 19:00	18-Feb-17	20-Feb-17	21-Feb-17	22-Feb-17	23-Feb-17
Ai <sup>2</sup> TS-9(XII) – Paper 1	17-Apr-17	10:00 – 13:00	15-Apr-17	17-Apr-17	18-Apr-17	19-Apr-17	20-Apr-17
Ai <sup>2</sup> TS-9(XII) – Paper 2		14:00 – 17:00					
Ai <sup>2</sup> TS-10(XII) – Paper 1	24-Apr-17	10:00 – 13:00	22-Apr-17	24-Apr-17	25-Apr-17	26-Apr-17	27-Apr-17
Ai <sup>2</sup> TS-10(XII) – Paper 2		14:00 – 17:00					

# TEST 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. 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 <sup>2</sup> TS	CHEMISTRY	MATHEMATICS	PHYSICS
IX	Ai <sup>2</sup> TS-1(IX) 29-Aug-16	100% Matter in Our Surrounding, Properties of Matter	100% Euclid Geometry Lines and Angles Number System, Indices, Surds & Logarithms Polynomials	100% Motion
	Ai <sup>2</sup> TS-2(IX) 24-Oct-16	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus
		70% Is matter around as pure?	70% Co-ordinate Geometry Heron's Formula Triangles	70% Gravitation Laws of Motion
	Ai <sup>2</sup> TS-3(IX) 16-Jan-17	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-2 Syllabus	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS -2 Syllabus	40% Ai <sup>2</sup> TS -1 & Ai <sup>2</sup> TS -2 Syllabus
		60% Atoms, Molecules & Mole Concept	60% Areas of Parallelogram and Triangles Linear Equations in Two Variables Quadrilateral Statistics	60% Fluid Work, Power energy
Ai <sup>2</sup> TS-4(IX) 06-Mar-17	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS -1, Ai <sup>2</sup> TS -2 & Ai <sup>2</sup> TS -3 Syllabus	
	60% Atomic structure	60% Circles Constructions Probability Surface Area and Volume	60% Sound	

CLASS	Ai <sup>2</sup> TS	CHEMISTRY	MATHEMATICS	PHYSICS
X	Ai <sup>2</sup> TS-1(X) 01-Aug-16	100% Acid Base And Salts Chemical Reactions	100% Linear Equations in Two Variables Polynomials Real Numbers	100% Domestic Electric Circuits Electricity
	Ai <sup>2</sup> TS-2(X) 19-Sep-16	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus
		70% Metals and Non Metals	70% Similar Triangles Statistics Trigonometry Application of Trigonometry	70% Magnetic Effect of Electric Current Source of Energy
	Ai <sup>2</sup> TS-3(X) 24-Oct-16	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-2 Syllabus	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS -2 Syllabus	40% Ai <sup>2</sup> TS -1 & Ai <sup>2</sup> TS -2 Syllabus
		60% Carbon & Its Compounds	60% Arithmetic Progressions Constructions Quadratic Equations Tangents to a Circle	60% Light
Ai <sup>2</sup> TS-4(X) 19-Dec-16	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS -1, Ai <sup>2</sup> TS -2 & Ai <sup>2</sup> TS -3 Syllabus	
	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 <sup>2</sup> TS	CHEMISTRY	MATHEMATICS	PHYSICS
XI	Ai <sup>2</sup> TS-1(XI) 22-Aug-16	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
	Ai <sup>2</sup> TS-2(XI) 17-Oct-16	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus	30% Ai <sup>2</sup> TS-1 Syllabus
		70% Chemical Bonding Group 1 & Group 2 Hydrogen & Its Compounds Chemical Kinetics Chemical Equilibrium	70% Circles Parabola	70% Laws Of Motion Work Power & Energy Conservation Of Momentum
	Ai <sup>2</sup> TS-3(XI) 09-Jan-17	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-2 Syllabus	40% Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS -2 Syllabus	40% Ai <sup>2</sup> TS -1 & Ai <sup>2</sup> TS -2 Syllabus
		60% Ionic Equilibrium Thermodynamics Group 13 & Group 14	60% Ellipse Hyperbola Quadratic Equations & Expressions	60% Rotational Motion Gravitation Fluids
Ai <sup>2</sup> TS-4(XI) 06-Mar-17	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 Syllabus	40% Ai <sup>2</sup> TS -1, Ai <sup>2</sup> TS -2 & Ai <sup>2</sup> TS -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	

CLASS	Ai <sup>2</sup> TS	CHEMISTRY	MATHEMATICS	PHYSICS
XII	<b>Ai<sup>2</sup>TS-1(XII)</b> 18-Jul-16	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
	<b>Ai<sup>2</sup>TS-2(XII)</b> 22-Aug-16	30% Questions from class XIth topics - Chemical Bonding, S Block & Hydrogen, Chemical Kinetics 20% Questions on Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-1 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Magnetism
	<b>Ai<sup>2</sup>TS-3(XII)</b> 26-Sep-16	30% Questions from class XIth topics - Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family 20% Questions on Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-1 & Ai <sup>2</sup> TS-2 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Electromagnetic Induction
	<b>Ai<sup>2</sup>TS-4(XII)</b> 24-Oct-16	30% Questions from class XIth topics - GOC & Isomerism, EAS, Hydrocarbons 20% Questions on Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-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 Ai <sup>2</sup> TS-1, Ai <sup>2</sup> TS-2 & Ai <sup>2</sup> TS-3 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Geometrical Optics & Wave Optics, Modern Physics
	<b>Ai<sup>2</sup>TS-5(XII)</b> 28-Nov-16	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
	<b>Ai<sup>2</sup>TS-6(XII)</b> 19-Dec-16	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
	<b>Ai<sup>2</sup>TS-7(XII)</b> 16-Jan-17	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
	<b>Ai<sup>2</sup>TS-8(XII)</b> 20-Feb-17	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
	<b>Ai<sup>2</sup>TS-9(XII)</b> 17-Apr-17	<b>PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS</b> <b>PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS</b>		
	<b>Ai<sup>2</sup>TS-10(XII)</b> 24-Apr-17	<b>PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS</b> <b>PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS</b>		