

Ai²TS SYLLABUS

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

| CLASS | Ai ² TS | CHEMISTRY | | MATHEMATICS | | PHYSICS | |
|---------------------------------------|---------------------------------------|------------------|--|--|--|---------|--|
| IX | Ai ² TS-1(IX) 11-Sep-17 | 100% | Matter in Our Surrounding, Properties of Matter | 100% | Euclid Geometry Lines and Angles Number System, Indices, Surds & Logarithms Polynomials | 100% | Motion |
| | Ai ² TS-2(IX) 06-Nov-17 | 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% | Co-ordinate Geometry Heron's Formula Triangles | 70% | Gravitation Laws of Motion |
| | Ai ² TS-3(IX) 08-Jan-18 | 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% | Areas of Parallelogram and Triangles Linear Equations in Two Variables Quadrilateral Statistics | 60% | Fluid Work, Power energy |
| Ai ² TS-4(IX) 05-Mar-18 | 60% | Atomic structure | 60% | Circles Constructions Probability Surface Area and Volume | 60% | Sound | |

| CLASS | Ai ² TS | CHEMISTRY | | MATHEMATICS | | PHYSICS | |
|--------------------------------------|--------------------------------------|-------------------------|--|--|---|--|---|
| X | Ai ² TS-1(X) 17-Jul-17 | 100% | Acid Base And Salts Chemical Reactions | 100% | Linear Equations in Two Variables Polynomials Real Numbers | 100% | Domestic Electric Circuits Electricity |
| | Ai ² TS-2(X) 28-Aug-17 | 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 Statistics Trigonometry Application of Trigonometry | 70% | Magnetic Effect of Electric Current Source of Energy |
| | Ai ² TS-3(X) 30-Oct-17 | 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% | Arithmetic Progressions Constructions Quadratic Equations Tangents to a Circle | 60% | Light |
| Ai ² TS-4(X) 11-Dec-17 | 60% | Periodic Classification | 60% | Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus Area Related to Circle Co-ordinate Geometry Probability Surface Area and Volume | 60% | The Human Eye & The Colourful World | |

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|---------------------------------------|---------------------------------------|---|---|---|---|--|---|
| XI | Ai ² TS-1(XI) 18-Sep-17 | 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 ² TS-2(XI) 13-Nov-17 | 30% | Ai ² TS-1 Syllabus | 30% | Ai ² TS-1 Syllabus | 30% | Ai ² 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 ² TS-3(XI) 29-Jan-18 | 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% | Ionic Equilibrium Thermodynamics Group 13 & Group 14 | 60% | Ellipse Hyperbola Quadratic Equations & Expressions | 60% | Rotational Motion Gravitation Fluids |
| Ai ² TS-4(XI) 19-Mar-18 | 60% | General Organic Chemistry Isomerism Electrophilic Aromatic Substitution Hydrocarbons | 60% | Ai ² TS-1, Ai ² TS-2 & Ai ² TS-3 Syllabus Binomial Theorem Permutation & Combination Progression and Series Solution Of Triangle Trigonometric Equations Complex Numbers | 60% | Simple Harmonic Motion Waves & Sound Heat & Thermodynamics | |

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|-------|---|--|--|---|
| XII | Ai ² TS-1(XII) 03-Jul-17 | 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 |
| | Ai ² TS-2(XII) 31-Jul-17 | 30% Questions from class XIth topics - Chemical Bonding, S Block & Hydrogen, Chemical Kinetics 20% Questions on Ai ² 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 ² 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 ² TS-1 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Magnetism |
| | Ai ² TS-3(XII) 04-Sep-17 | 30% Questions from class XIth topics - Thermochemistry & Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Boron & Carbon Family 20% Questions on Ai ² TS-1 & Ai ² 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 ² TS-1 & Ai ² 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 ² TS-1 & Ai ² TS-2 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Electromagnetic Induction |
| | Ai ² TS-4(XII) 09-Oct-17 | 30% Questions from class XIth topics - GOC & Isomerism, EAS, Hydrocarbons 20% Questions on Ai ² TS-1, Ai ² TS-2 & Ai ² 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 ² TS-1, Ai ² TS-2 & Ai ² 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 ² TS-1, Ai ² TS-2 & Ai ² TS-3 topics (Class XII topics Only) 50% Questions from Class XIIth topics - Geometrical Optics & Wave Optics, Modern Physics |
| | Ai ² TS-5(XII) 20-Nov-17 | 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 |
| | Ai ² TS-6(XII) 18-Dec-17 | 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 |
| | Ai ² TS-7(XII) 15-Jan-18 | 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 |
| | Ai ² TS-8(XII) 19-Feb-18 | 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 |
| | Ai ² TS-9(XII) 16-Apr-18 | PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS | | |
| | Ai ² TS-10(XII) 23-Apr-18 | PAPER 1 (3 Hrs) – FULL JEE ADVANCED SYLLABUS PAPER 2 (3 Hrs) – FULL JEE ADVANCED SYLLABUS | | |