# Aakash
### Medical | IIT-JEE | Foundations

# Ranker Test Schedule for JEE (Main & Adv)
## For Class- XI (2024-25)

## Online Test Schedule for Class XI (1st Year)

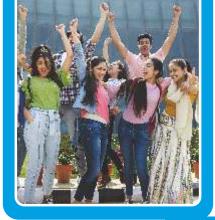| Test | Date | Day | TOPIC |
|---|---|---|---|
| UT –1 (Main) | 22-06-2024 | Saturday | **Physics -** Physical World, Units & Measurement, Motion in a Straight Line<br>**Chemistry** - Structure of Atom, Some Basic concept in Chemistry<br>**Maths** - Basics of Mathematics, Relations and Functions |
| UT –2 (Main) | 13-07-2024 | Saturday | **Physics -** Motion in a Plane, Laws of Motion<br>**Chemistry** -Classification of Elements and Periodicity, Chemical bonding and Molecular Structure<br>**Maths** - Trigonometric Functions Part-I, Quadratic Equations, Complex Numbers - I, Linear Inequalities |
| PT-1 (Adv) | 27-07-2024 | Saturday | **Physics:** Physical World, Units & Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion<br>**Chemistry:** Structure of Atom, Some Basic concept in Chemistry, Classification of Elements and Periodicity, Chemical bonding and Molecular Structure, States of Matter<br>**Maths:** Basics of Mathematics, Relations and Functions, Trigonometric Functions Part-I, Quadratic Equations, Complex Numbers - I, Linear Inequalities |
| UT –3 (Main) | 14-09-2024 | Saturday | **Physics -** Work, Energy and Power, System of Particles and Rotational Motion<br>**Chemistry** - Thermodynamics, Equilibrium<br>**Maths** - Sequence and Series, Permutations and Combinations |
| UT –4 (Main) | 19-10-2024 | Saturday | **Physics -** Gravitation, Mechanical Properties of Solids, Mechanical Properties of Fluids<br>**Chemistry** - Redox Reactions, Stoichiometry and Volumetric Analysis, Organic Chemistry – Some Basic Principles and Techniques<br>**Maths** - Binomial Theorem, Straight Lines, Conic Sections-I |
| PT-2 (Adv) | 02-11-2024 | Saturday | **Physics:** Work, Energy and Power, System of Particles and Rotational Motion, Gravitation, Mechanical Properties of Solids, Mechanical Properties of Fluids<br>**Chemistry:** Thermodynamics, Equilibrium, Redox Reactions, Stoichiometry and Volumetric Analysis, Organic Chemistry – Some Basic Principles and Techniques<br>**Maths:** Sequence and Series, Permutations and Combinations, Binomial Theorem, Straight Lines, Conic Sections-I |
| UT –5 (Main) | 21-12-2024 | Saturday | **Physics -** Thermal Properties of Matter, Thermodynamics, Kinetic Theory of Gases<br>**Chemistry** -Hydrocarbons<br>**Maths** - Conic Section - II, Introduction to Three Dimensional Geometry, Limits & Derivatives |

# Aakash
### Medical | IIT-JEE | Foundations

# Ranker Test Schedule for JEE (Main & Adv)
## For Class- XI (2024-25)

## Online Test Schedule for Class XI (1st Year)

| Test | Date | Day | TOPIC |
|---|---|---|---|
| UT –6 (Main) | 11-01-2025 | Saturday | **Physics -** Oscillations, Waves<br>**Chemistry** - The p-Block Elements (Group- 13, 14)<br>**Maths** - Statistics, Probability, Complex Numbers - II, Trigonometric Functions-II |
| PT–3 (Adv) | 29-01-2025 | Wednesday | **Physics:** Thermal Properties of Matter, Thermodynamics, Kinetic Theory of Gases, Oscillations, Waves<br>**Chemistry:** Hydrocarbons, Environmental Chemistry, Hydrogen, The s–Block Elements, The p–Block Elements (Group-13, 14)<br>**Maths:** Conic Section - II, Introduction to Three Dimensional Geometry, Limits & Derivatives, Statistics, Probability, Complex Numbers - II, Trigonometric Functions-II |
| Mock Test-1 | 11-02-2025 | Tuesday | Mock Test on JEE (Main)_Class XI |
| Mock Test-2 | 18-02-2025 | Tuesday | Mock Test on JEE (Advanced) (Paper-1 & 2)_Class XI |
| Mock Test-3 | 25-02-2025 | Tuesday | Mock Test on JEE (Main)_Class XI |
| Mock Test-4 | 04-03-2025 | Tuesday | Mock Test on JEE (Advanced) (Paper-1 & 2)_Class XI |

**UT- Unit Test | PT- Part Test | Mock Test**
**This Schedule is for 1st Year (Class XI) only, 2nd Year (Class XII) Schedule shall be Provided in April, 2025**
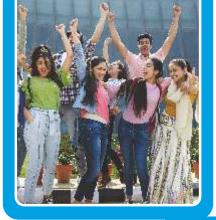
# Ranker Test Schedule for JEE (Main & Adv)
## For Class- XI (2024-25)

## Daily Practice Test Schedule & Syllabus

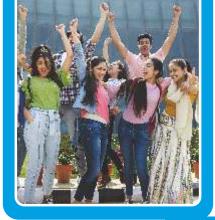| Sr.No. | Test Name | Test Syllabus |
|--------|-----------|---------------|
| 1 | Physics Quiz – 1 | **Units & Measurement:** Dimensions, Errors |
| 2 | Chemistry Quiz – 1 | **Some Basic Concepts of Chemistry:** Concentration Terms, Law of Equivalence, Significant Figures, Mole Concept and Stoichiometry |
| 3 | Mathematics Quiz – 1 | **Basics of Mathematics:** Sets, Wavy Curve Method |
| 4 | Physics Quiz – 2 | **Kinematics:** Displacement, Velocity & acceleration, Kinematics equations and Graphs |
| 5 | Chemistry Quiz – 2 | **Some Basic Concepts of Chemistry:** Stoichiometry, Average Molar Mass, Empirical and Molecular Formula |
| 6 | Mathematics Quiz – 2 | **Basics of Mathematics:** Wavy Curve Method, Set |
| 7 | Physics Quiz – 3 | **Kinematics:** Motion with constant Acceleration, Motion in a plane (Projectile motion) |
| 8 | Chemistry Quiz – 3 | **Structure of atom:** Quantum Mechanical Model, Quantum Numbers, Fundamental Particles, Rutherford Model, Bohr Model, Hydrogen Spectrum |
| 9 | Mathematics Quiz – 3 | **Relations and Functions:** Relations, Domain and Range, Cartesian Product of sets |
| 10 | Physics Quiz – 4 | **Kinematics:** Relative Motion and plane Motion, Circular Motion |
| 11 | Chemistry Quiz – 4 | **Structure of atom:** Bohr Model and Hydrogen Spectrum; **Atomic Structure:** Orbital, Shapes, Nodes |
| 12 | Mathematics Quiz – 4 | **Relations and Functions:** Relations, Domain, Range, |
| 13 | Physics Quiz – 5 | **Laws of Motion:** Equilibrium/Lami's Theorem/FBD, Newton's law of motion, linear momentum |
| 14 | Chemistry Quiz – 5 | **Atomic Structure:** de-Broglie Dual Nature of Matter and Heisenberg Uncertainty Principle, Planck Quantum Theory and Photoelectric Effect |
| 15 | Mathematics Quiz – 5 | **Relations and Function:** Domain, Range, Different types of functions, Functional Equation |
| 16 | Physics Quiz – 6 | **Laws of Motion:** Equation for acceleration (Pulley's, inclined problems), Constraint Relationships |

## Daily Practice Test Schedule & Syllabus

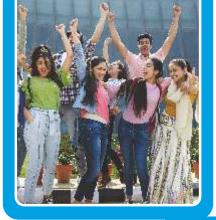| Sr.No. | Test Name | Test Syllabus |
|---|---|---|
| 17 | Chemistry Quiz – 6 | **Classification of Elements and Periodicity in Properties:** Characteristics of Periodic Table, Properties of Elements and their Compounds, Atomic and Ionic Radii |
| 18 | Mathematics Quiz – 6 | **Relations and Functions:** Range, Different types of functions, Domain, Range |
| 19 | Physics Quiz – 7 | **Laws of Motion:** Friction, Pseudo Force |
| 20 | Chemistry Quiz – 7 | **Classification of Elements and Periodicity in Properties:** Ionisation Energy / Ionisation Potential, Electron Affinity, Electronegativity |
| 21 | Mathematics Quiz – 7 | **Trignometric function-I:** Trigonometric Ratios of allied angles, Transformation formulae, Trigonometric Ratio of allied angles; **Trigonometric Ratios and identities:** Domain and Range of Trigonometric Functions, Transformation formulae |
| 22 | Physics Quiz – 8 | **Laws of Motion:** Dynamics of Circular Motion |
| 23 | Chemistry Quiz – 8 | **Chemical Bonding and Molecular Structure:** Types of Chemical Bond, Lewis Theory, Formal Charge, Bond Parameters |
| 24 | Mathematics Quiz – 8 | **Trigonometric Function-I:** Trigonometric equation, Trigonometric ratios; **Trigonometric Ratios and Identities:** Transformation formulae; **Relations and Functions, Trigonometric Function-I:** Graphs, Transformation formulae, Graphical Transformations, Range of Trigonometric Functions |
| 25 | Physics Quiz – 9 | **Work, Energy and Power:** Work done, Power, Work–Energy Theorem |
| 26 | Chemistry Quiz – 9 | **Chemical Bonding and Molecular Structure:** Fajan's Rule, Dipole Moment and Resonance |
| 27 | Mathematics Quiz – 9 | **Trigonometric Function-I, Quadratic Equation:** General Solution, Sum and Product of Roots, Nature of Roots ; **Trigonometric Function-I:** Range of Trigonometric Functions, General Solution of Trigonometric Equation |
| 28 | Physics Quiz – 10 | **Work, Energy and Power:** Potential energy, Spring & Spring P.E. |
| 29 | Chemistry Quiz – 10 | **Chemical Bonding and Molecular Structure:** VBT and VSEPR Theory, Hybridisation |
| 30 | Mathematics Quiz – 10 | **Trigonometric Function-I, Quadratic Equation:** General Solution, Nature of Roots; **Trigonometric Function-I:** General Solution of Trigonometric Equations; **Quadratic Equation:** Nature of Roots, Location of Roots |
| 31 | Physics Quiz – 11 | **Work, Energy and Power:** Motion in vertical circle, Conservation of Mechanical energy |

## Daily Practice Test Schedule & Syllabus

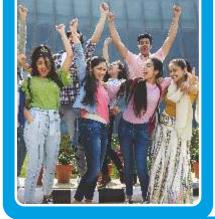| Sr.No. | Test Name | Test Syllabus |
|---|---|---|
| 32 | Chemistry Quiz – 11 | **Chemical Bonding and Molecular Structure:** Hybridisation, MOT |
| 33 | Mathematics Quiz – 11 | **Quadratic Equation:** Range of Quadratic Expression, Common Roots, Location of Roots Transformation of Equations, Analysis of Cubic Equation, Common Roots, Transformation of Equation, Quadratic Equation in two Variables; **Trigonometric Function-I, Quadratic Equation:** General Solution of Trigonometric Equations, Sum and Product of Roots |
| 34 | Physics Quiz – 12 | **Work, Energy and Power:** Conservation of linear momentum (collision), Oblique collision |
| 35 | Chemistry Quiz – 12 | **Chemical Bonding and Molecular Structure:** MOT and Hydrogen Bonding; **States of Matter:** Gaseous State and Ideal Gas Laws |
| 36 | Mathematics Quiz – 12 | **Quadratic Equation:** Sum and Product of Roots, Formation of Equation, Location of Roots, Sum and Product of Roots; **Complex Numbers:** Iota, Properties of Modulus; **Quadratic Equation, Complex Number:** Nature of Roots, Location of Roots, Properties of Modulus |
| 37 | Physics Quiz – 13 | **System of Particles and rotational motion:** Center of Mass (position, velocity, acceleration & shifting), Angular velocity and Angular acceleration |
| 38 | Chemistry Quiz – 13 | **States of Matter:** Kinetic Theory of Gases, Real Gas and Compressibility Factor |
| 39 | Mathematics Quiz – 13 | **Complex Number, Linear Inequality:** Algebra of a Complex Number, Modulus of a Complex Number, Linear Inequalities; **Complex Number:** Properties of Modulus of a Complex Number; **Sequence and Series, Complex Number:** Arithmetic Progression, Algebra of Complex Numbers, Modulus and Argument of a Complex Number; **Quadratic Equation, Complex Number:** Sum and Product of Roots, Properties of Modulus, Euler Form |
| 40 | Physics Quiz – 14 | **System of Particles and rotational motion:** Equilibrium, Moment of inertia (Theorem) |
| 41 | Chemistry Quiz – 14 | **States of Matter:** Grahams Law of Diffusion and Daltons Law of Partial Pressure, Eudiometry |
| 42 | Mathematics Quiz – 14 | **Complex Number, Sequence and Series:** Properties of Modulus and Argument, Geometric Progression, Arithmetic Progression, Arithmetic Mean; **Sequence and Series:** Harmonic Progression, Arithmetico-Geometric Progression, Telescopic Series, Sum of n Terms of G.P., Exponential and Logarithmic Series |
| 43 | Physics Quiz – 15 | **System of Particles and rotational motion:** Dynamic of rotational motion, Conservation of energy (Rotational kinetic Energy) |
| 44 | Chemistry Quiz – 15 | States of Matter: Critical Constants, Liquifaction of Gases Vapour Pressure, Surface Tension and Viscosity; **Thermodynamics:** First Law of Thermodynamics |

## Daily Practice Test Schedule & Syllabus

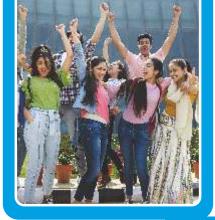| Sr.No. | Test Name | Test Syllabus |
|--------|-----------|---------------|
| 45 | Mathematics Quiz – 15 | **Sequence and Series:** Special Series, Geometric Progression, Telescope Series, Exponential and Logarithmic Series, Arithmetic Progression, Harmonic Progression, Series; Logarithm, **Binomial Theorem:** Logarithm, General Term |
| 46 | Physics Quiz – 16 | **System of Particles and rotational motion:** Rolling motion, Torque and angular moment |
| 47 | Chemistry Quiz – 16 | **Thermodynamics:** Themochemistry, Second Law of Thermodynamics |
| 48 | Mathematics Quiz – 16 | **Binomial Theorem:** General Term, Middle Term, Numerically Greatest Term, Binomial Theorem for any Index; **Sequence and Series:** Sum of Special Series, Telescopic Series, Properties of AM, GM, HM |
| 49 | Physics Quiz – 17 | **System of Particles and rotational motion:** Conservation of angular momentum |
| 50 | Chemistry Quiz – 17 | **Thermodynamics:** Gibb's Free Energy; **Equilibrium:** Chemical Equilibrium |
| 51 | Mathematics Quiz – 17 | **Binomial Theorem:** General Term, Binomial Series, Multinomial Theorem; **Sequence and Series, Binomial Theorem:** Properties of AM, GM, HM, General Term, Binomial Series |
| 52 | Physics Quiz – 18 | **Gravitation:** Gravitation field, Acceleration due to Gravity |
| 53 | Chemistry Quiz – 18 | **Equilibrium:** Le-Chatelier's Principle, pH of Weak Acid, Bases |
| 54 | Mathematics Quiz – 18 | **Binomial Theorem, Permutation and Combination:** General Term, Fundamental Principle of Counting, Permutation of Distinct Objects, Binomial Series, Permutation under certain Restriction, Combination, Division of Objects into Groups, Combination; **Binomial Theorem:** Binomial Expansion, Binomial Series |
| 55 | Physics Quiz – 19 | **Gravitation:** Gravitation field, Gravitation potential energy |
| 56 | Chemistry Quiz – 19 | **Equilibrium:** Salt Hydrolysis and Buffer Solution, Solubility Product |
| 57 | Mathematics Quiz – 19 | **Permutation and Combination:** Combination, Divisors, Rank, Number of Integral Solutions of an Equation |
| 58 | Physics Quiz – 20 | **Gravitation:** Conservation of energy, Kepler's Law (Escape speed/Orbital speed) |
| 59 | Chemistry Quiz – 20 | **Redox Reactions:** Oxidation Number and Balancing of Redox Reactions, Titrations and Volume Strength of $H_2O_2$ |
| 60 | Mathematics Quiz – 20 | **Permutation and Combination:** Multinomial Theorem, Power of Prime p in n!, Number of Integral Solutions, Division of Objects into Groups; **Straight Line:** Angle Bisector, Family of Lines, Shifting of Origin, Image of a Point |

## Daily Practice Test Schedule & Syllabus

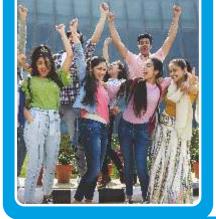| Sr.No. | Test Name | Test Syllabus |
|---|---|---|
| 61 | Physics Quiz – 21 | **Gravitation:** Kepler's Law |
| 62 | Chemistry Quiz – 21 | **Hydrogen:** Properties of Hydrogen, Properties of $H_2O_2$ and Water |
| 63 | Mathematics Quiz – 21 | **Straight Line:** Pair of Straight Lines, Rotation of Axes, Homogenisation, Distance of a Point from a Line, Pair of Straight Lines; **Straight Line, Circle:** Pair of Straight Lines, Locus, Line and Circle |
| 64 | Physics Quiz – 22 | **Mechanical Properties of Solids:** Mechanical Properties of Solids, Hooke's Law and Elasticity |
| 65 | Chemistry Quiz – 22 | **The s-Block Elements:** Properties of Alkali Metals, Properties of Alkaline Earth Metals |
| 66 | Mathematics Quiz – 22 | **Circle:** Tangent to a circle, Equation of a circle, Length of Intercept on Coordinate Axes, Radical Axis, Family of Circles, Intercepts on coordinate Axes, Equation of Circle, Relative Position of Two Circles; **Straight Line:** Family of Lines, Equations of Straight Lines |
| 67 | Physics Quiz – 23 | **Mechanical Properties of Fluids:** Pressure (Pascal law)/Archimedes Principle, Archimedes' Principal (Buoyant Archimedes' Force), Accelerated Frame |
| 68 | Chemistry Quiz – 23 | **The p-Block Elements:** Properties of Group 13 Elements, Properties of Group 14 Elements |
| 69 | Mathematics Quiz – 23 | **Conic Section-I:** Orthogonality of Two Circles, Pair of Tangents, Radical Axis, Family of Circles, Pair of Tangents, Chord bisected at a given Point, Common Tangent, Pair of Tangents, Chord of Contact; **Conic Section (I & II):** Tangents to Parabola, Chord bisected at given Point |
| 70 | Physics Quiz – 24 | **Mechanical Properties of Fluids:** Application of Bernoullie's Theorem, Viscosity/Surface Tension |
| 71 | Chemistry Quiz – 24 | **Organic Chemistry: Some Basic Principles and Techniques:** Introduction of Organic Compounds and IUPAC Naming, Structural Isomerism |
| 72 | Mathematics Quiz – 24 | **Conic Section (I & II):** Director Circle of a Circle, Standard Equation of a Parabola, Tangents to Parabola; **Conic Section-II:** Standard Equation of Parabola, Tangent to Parabola, Intersection of Parabola & Circle, Equation of Tangent to Parabola, Equation of Normal to Parabola, Chord of Contact, Normal to Parabola, Tangent to Ellipse, Pair of Tangents to Ellipse, Normal to Hyperbola |
| 73 | Physics Quiz – 25 | **Mechanical Properties of Fluids:** Fluids |
| 74 | Chemistry Quiz – 25 | **Organic Chemistry : Some Basic Principles and Techniques:** Stereoisomerism, Electronic Displacement Effects in Covalent Bonds and Application |
| 75 | Mathematics Quiz – 25 | **Conic Section-II:** Standard Equation of Parabola, Standard Equation of Ellipse, Normal to Parabola, Locus Problem, Hyperbola, Tangents and Normals to Ellipse & Hyperbola; **Conic Section-II, straight lines:** Orthogonality, Angle bisectors |

## Daily Practice Test Schedule & Syllabus

| Sr.No. | Test Name | Test Syllabus |
|---|---|---|
| 76 | Physics Quiz – 26 | **SHM:** Equation of SHM and related term, Simple/Physical Pendulum |
| 77 | Chemistry Quiz – 26 | **Organic Chemistry : Some Basic Principles and Techniques:** Aromaticity, Purification techniques, Quantitative and Qualitative Estimation |
| 78 | Mathematics Quiz – 26 | **Conic Section-II:** Standard Equation of Hyperbola, Chord of an Ellipse, Director Circle of Ellipse, Asymptote of a Hyperbola, Rectangular Hyperbola, Ellipse, Hyperbola, Rectangular Hyperbola |
| 79 | Physics Quiz – 27 | **SHM:** Time Period of SHM(Linear), Combination of Springs; **Oscillation:** Energy in SHM |
| 80 | Chemistry Quiz – 27 | **Hydrocarbons:** Preparation and Properties of Alkanes, Preparation and Properties of Alkenes |
| 81 | Mathematics Quiz – 27 | **Complex Number & Quadratic Equation:** Square Root of Complex Number, Polar Form, De-Moivre's Theorem; **Conic Section-II:** Hyperbola, Ellipse; **Complex Number:** $n^{th}$ Root of Unity, Polar form, Demoivre's Theorem Geometry of Complex Number, Rotation, Geometry of Complex Numbers |
| 82 | Physics Quiz – 28 | **P.V.T (graphs)/ Ideal gas equation:** Thermodynamics process; **Thermal Properties of Matter:** Kinetic Theory of gases |
| 83 | Chemistry Quiz – 28 | **Hydrocarbons:** Preparation and Properties of Alkynes, Electrophilic Aromatic Substitution |
| 84 | Mathematics Quiz – 28 | **Complex Number:** Rotation of complex numbers Roots of unity, Geometry of Complex Numbers, $n^{th}$ Root of Unity, Rotation of Complex Numbers, Rotation |
| 85 | Physics Quiz – 29 | **Thermal Properties of Matter:** Heat radiation (Wien's displacement), Calorimetry |
| 86 | Chemistry Quiz – 29 | **Environmental Chemistry:** Air Pollutants, Water Pollutants |
| 87 | Mathematics Quiz – 29 | **Complex Number:** Geometry of Complex Number; **Complex Number Limits:** Rotation, Geometry of Complex Numbers, One-sided Limits; Limits: Evaluation of 0/0 form, $\yen/\yen$, $\yen$, $-\yen$, L-Hospital Rule, **Complex Number, Derivates, 3-Dimensional Geometry:** $n^{th}$ Roots of Unity, Derivatives of Higher Order, Direction Cosines |
| 88 | Physics Quiz – 30 | **Thermodynamics:** P.V.T (graphs)/ Ideal gas equation/ Thermodynamics process |
| 89 | Mathematics Quiz – 30 | **Limits & Derivatives:** Evaluation of Limits, Differentiation; Limits, **Trigonometry-II:** Infinite Limits, Trigonometric Ratios of Submultiple Angles; **Complex Number, Trigonometric Functions:** Sum of Trigonometric series, De-Moivre's Theorem, Trigonometric Ratios of Multiple angles; **Probability:** Classical Definition of Probability |
| 90 | Physics Quiz – 31 | **Thermodynamics:** P.V.T (graphs)/ Ideal gas equation/ Thermodynamics process; **Kinetic Theory:** Kinetic Theory of gases |

## Daily Practice Test Schedule & Syllabus

| Sr.No. | Test Name | Test Syllabus |
|--------|-----------|---------------|
| 91 | Mathematics Quiz – 31 | **Probability, Trigonometric Ratios, Trigonometric Equation:** Permutation & Combination based Probability, Trigonometric Equations, Transformation Formulae; **Trigonometric Equations:** Different types of Trigonometric Equations; **Complex Numbers, Trigonometric Functions:** Trigonometric Equations, Algebra of Complex Number; **Solution of Triangles:** Projection Rule, Ex–radii, Length of Angle Bisectors |
| 92 | Physics Quiz – 32 | **Waves and Sound:** Wave equation (sinusoidal progressive wave), Interference, Intensity & Power transmitted (string) |
| 93 | Mathematics Quiz – 32 | **Trigonometric Functions:** Properties of Triangle; **Trigonometric Equations, Solutions of Triangles:** Equations Involving more than one Variables, Half Angle Formulae |
| 94 | Physics Quiz – 33 | **Waves and Sound:** Interference, Intensity & Power transmitted (string), Standing wave & resonance in string |
| 95 | Physics Quiz – 34 | **Waves and Sound:** Resonance in air columns; **Waves:** Doppler's effect |
| 96 | Physics Quiz – 35 | **Waves and Sound:** Beats |

**The Schedule for 2nd Year (Class XII) shall be provided in April, 2025**
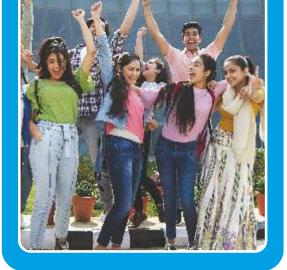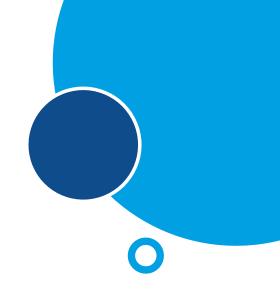
# AIATS SCHEDULE
## FOR CLASS XI
### STUDYING STUDENTS [ 2024-25 ]

| Test No. | Test Date | Date of Display of Answer key and uploading of video Solutions | Result Date | Pattern of Test | Subject | Topics of the Test |
|---|---|---|---|---|---|---|
| Practice Test Online | Test window 19 - 31 Aug 2024 | | | JEE (Main) | Phy | Physical World, Units & Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion |
| | | | | | Chem | Structure of Atom, Some Basic concept in Chemistry, Classification of Elements and Periodicity, Chemical bonding and Molecular Structure |
| | | | | | Maths | Basics of Mathematics, Relations and Functions (Including Transformation of Graphs), Trigonometric Functions Part-I, Quadratic Equations, Complex Numbers - I, Linear Inequalities |
| 1 | 01-09-2024 | 03-09-2024 | 08-09-2024 | JEE (Main) | Phy | Physical World, Units & Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion |
| | | | | | Chem | Structure of Atom, Some Basic concept in Chemistry, Classification of Elements and Periodicity, Chemical Bonding and Molecular Structure |
| | | | | | Maths | Basics of Mathematics, Relations and Functions (Including Transformation of Graphs), Trigonometric Functions Part-I, Quadratic Equations, Complex Numbers - I, Linear Inequalities |
| 1A | 08-09-2024 | 10-09-2024 | 15-09-2024 | JEE (Advanced) Paper-1 & 2 | Phy | Physical World, Units & Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion |
| | | | | | Chem | Structure of Atom, Some Basic concept in Chemistry, Classification of Elements and Periodicity, Chemical Bonding and Molecular Structure, States of Matter |
| | | | | | Maths | Basics of Mathematics, Relations and Functions (Including Transformation of Graphs) , Trigonometric Functions Part-I, Quadratic Equations, Complex Numbers - I, Linear Inequalities |
| 2 | 08-12-2024 | 10-12-2024 | 15-12-2024 | JEE (Main) | Phy | Work, Energy and Power, System of Particles and Rotational Motion, Gravitation, Mechanical Properties of Solids, Mechanical Properties of Fluids |
| | | | | | Chem | Thermodynamics, Equilibrium, Redox Reactions, Stoichiometry and Volumetric Analysis, Organic Chemistry - Some Basic Principles and Techniques |
| | | | | | Maths | Sequence and Series, Permutations and Combinations, Binomial Theorem, Straight Lines,  Conic Sections-I |
| 2A | 15-12-2024 | 17-12-2024 | 22-12-2024 | JEE (Advanced) Paper-1 & 2 | Phy | Work, Energy and Power, System of Particles and Rotational Motion, Gravitation, Mechanical Properties of Solids, Mechanical Properties of Fluids |
| | | | | | Chem | Thermodynamics, Equilibrium, Redox Reactions, Stoichiometry and Volumetric Analysis, Organic Chemistry - Some Basic Principles and Techniques |
| | | | | | Maths | Sequence and Series, Permutations and Combinations, Binomial Theorem, Straight Lines,  Conic Sections-I |
| 3 | 02-03-2025 | 04-03-2025 | 09-03-2025 | JEE (Main) | Phy | Thermal Properties of Matter, Thermodynamics, Kinetic Theory of Gases, Oscillations, Waves |
| | | | | | Chem | Hydrocarbons, The p-Block Elements (group-13, 14) |
| | | | | | Maths | Conic Section - II, Introduction to Three Dimensional Geometry, Limits & Derivatives, Statistics, Probability, Complex Numbers - II, Trigonometric Functions-II |
| 3A | 09-03-2025 | 11-03-2025 | 16-03-2025 | JEE (Advanced) Paper-1 & 2 | Phy | Thermal Properties of Matter, Thermodynamics, Kinetic Theory of Gases, Oscillations, Waves |
| | | | | | Chem | Hydrocarbons, Environmental Chemistry, Hydrogen, The s-Block Elements, The p-Block Elements (group-13, 14) |
| | | | | | Maths | Conic Section - II, Introduction to Three Dimensional Geometry, Limits & Derivatives, Statistics, Probability, Complex Numbers - II, Trigonometric Functions-II |
| 4 | 16-03-2025 | 18-03-2025 | 23-03-2025 | JEE (Main) | PCM | Complete Syllabus of Class XI for JEE (Main) |
| 4A | 23-03-2025 | 25-03-2025 | 30-03-2025 | JEE (Advanced) Paper-1 & 2 | PCM | Complete Syllabus of Class XI for JEE (Advanced) |

# Aakash
## Medical | IIT-JEE | Foundations

## Summary for Class XI & XII

### RANKER PACKAGE

| Year Syllabus | 1st Year Class XI | 2nd Year Class XII |
|---|---|---|
| AIATS | 9 | 17 |
| Unit Tests | 6 | 6 |
| Part Tests | 3 | 2 |
| Full Syllabus Test | 3 | 6 |
| Daily Practice Tests | 96 | 95 |