



# JEE(Main) : Topic Wise Syllabus & Schedule

For : Leader Test Series/Joint Package (Class XII / XII Pass Students)

Test No.	Test Date	Test Type	Test Pattern	Test Timings	Mode of Test	Subject	Topics Covered
1	07/07/2024	UNITTEST-1	JEE (MAIN)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Basic Maths used in Physics, Vectors, Unit & Dimension, Geometrical Optics (Ray Optics, Optical Instruments)
						Chemistry	Mole Concept & Eudiometry, Concentration Terms (Mole Concepts), Liquid Solution
						Mathematics	Sets, Numbers & Intervals, Fundamental of Algebra (Basic Maths), Quadratic Equations, Function, Inverse Trigonometric Function
2	21/07/2024	UNITTEST-2	JEE (MAIN)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Kinematics 1-D (Motion in 1D), Kinematics 2-D (Projectile Motion), Electrostatics
						Chemistry	Quantum Number & Electronic Configuration (Atomic structure), Periodic Table & Periodic Properties, Chemical Kinetics
						Mathematics	Logarithms (Basic Maths), Sequence & Series, Limit, Continuity & Differentiability
3	04/08/2024	UNITTEST-3	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Newton Laws of Motion and Friction, Gravitation
						Chemistry	Chemical Bonding, Thermodynamics - 01, Thermochemistry, Thermodynamics - 02 (Chemical Thermodynamics & Energetics)
						Mathematics	Trigonometric Ratio & Identities, Method of Differentiation, Application of Derivative
4	18/08/2024	REVIEWTEST-1	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 1, 2 & 3 (Unit Test- 1 to 3)
						Chemistry	
						Mathematics	
5	01/09/2024	UNITTEST-4	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Circular Motion, Current Electricity
						Chemistry	Redox & Equivalent Concepts, Coordination Chemistry
						Mathematics	Trigonometric Ratio & Identities, Fundamental of Geometry, Indefinite Integration
6	15/09/2024	UNITTEST-5	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Work, Power, Energy, Capacitance (Capacitors)
						Chemistry	Nomenclature & Common Names, Electronic Displacement Effects, Halogen Derivatives, Alcohol & Ether, Hydrocarbon
						Mathematics	Straight Line, Determinant, Definite Integration
7	29/09/2024	REVIEWTEST-2	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 1 to 6 (Unit Test- 1 to 5)
						Chemistry	
						Mathematics	
8	13/10/2024	UNITTEST-6	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Centre of Mass (Momentum & Collision), Magnetic Effect of Current
						Chemistry	Electronic Displacement Effects, Carbonyl Compound, Oxidation, Reduction, Aldol & Similar Name Reactions
						Mathematics	Circle, Area Under The Curve, Differential Equation



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9	27/10/2024	UNITTEST-7	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Rotational Motion, Electromagnetic Induction (EMI)
						Chemistry	Acidic Strength & Basic Strength, Atomic Structure (Upto Bohr Model) , Ionic Equilibrium , Electrochemistry
						Mathematics	Parabola, Ellipse, Hyperbola (Conic Section), Matrices
10	10/11/2024	UNITTEST-8	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Elasticity, Thermal Expansion, Calorimetry , Heat Transfer , Alternating Current
						Chemistry	Atomic Structure , Salt Analysis , Heating Effect , Reactions of Salt Analysis (Practical Chemistry)
						Mathematics	Permutation & Combination, Binomial Theorem, Vector
11	24/11/2024	REVIEW TEST-3	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 8, 9 & 10 (Unit Test- 6 to 8)
						Chemistry	
						Mathematics	
12	08/12/2024	UNITTEST-9	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	KTG, Thermodynamics, Sound Wave , EM Waves, Wave optics
						Chemistry	Chemical Equilibrium, d - Block Compounds, p - Block Element, f - Block Element
						Mathematics	3- Dimensional Geometry, Complex Number
13	22/12/2024	UNITTEST-10	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Fluid Mechanics, SHM, Modern Physics, Error in Measurements & Instruments, Semiconductor
						Chemistry	Isomerism , Purification & Characteristics of Organic Compounds , Carboxylic Acids & Its Derivative , Aliphatic Amines , Aromatic Compounds , Biomolecules , Practical Organic Chemistry, Separation Techniques
						Mathematics	Relation, Statistics, Probability
14	29/12/2024	REVIEW TEST-4	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 8 to 13 (Unit Test- 6 to 10)
						Chemistry	
						Mathematics	



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MAJOR TEST							
Test No.	Test Date	Test Type	Test Pattern	Test Timings	Mode of Test	Subject	Topics Covered
1	05/01/2025	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Full Syllabus
						Chemistry	
						Mathematics	
2	12/01/2025	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	CBT	Physics	Full Syllabus
						Chemistry	
						Mathematics	
3	19/01/2025	MAJOR TEST	JEE (MAIN)	1 PM-4 PM	PEN PAPER	Physics	Full Syllabus
						Chemistry	
						Mathematics	

#Dates for remaining Major Tests will be declared in the month of December 2024

## Note:

1. On the date of the COMPUTER BASED TEST (CBT) Exam, No hard copy paper will be given/conducted.
2. Mode of test will be CBT & Pen Paper as per given in the test schedule. No live "Online CBT" exam will be given.
3. For each CBT, the student has to download and print their CBT Admit Card from Student Control Panel.
4. Number of Tests/Dates/Timings/Pattern may differ according to the dates of Main Exams declared by the exam governing body.
5. For detailed syllabus please visit **Download Schedule and Syllabus** section in Student Zone or refer Syllabus Booklet.
6. DLP question paper & answer key will be available after completion the exam on **DSAT (dsat.allen.ac.in)** in PDF format (downloadable & printable format).
7. Under any unforeseen circumstances, if it is not possible to conduct a test in **CBT/Pen Paper** mode at center then the test will be available on your DSAT panel in **ONLINE CBT** mode (attempt test paper from home in online mode) as per the schedule.
8. If the Students are unable to attempt the exam on the pre-scheduled Test Dates due to late registration or absence can avail their missed exams as **Practice Tests on the DSAT panel** and will also get the All India Predicted Rank (PR) among the pool of students **after the declaration of AIR** for the particular test.
9. **ALL INDIA OPEN TEST** : AIOT provides vast exposure, ranking and analysis on the national level to compete with ALLEN'S current year Classroom students.