



JEE(Main+Advanced) : 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 (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Basic Maths Used In Physics, Unit & Dimension, Vectors, Geometrical Optics
						Chemistry	Mole Concept & Eudiometry, Concentration Terms Solid State, Liquid Solution
						Mathematics	Sets, Numbers & Intervals, Fundamental of Algebra, Quadratic Equations, Function, Inverse Trigonometric Function
2	21/07/2024	UNITTEST-2	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Kinematics - 1D, 2D, Electrostatics
						Chemistry	Quantum Number & Electronic Configuration, Periodic Table & Periodic Properties, Chemical Kinetics
						Mathematics	Logarithms, Sequence & Series, Limit, Continuity & Differentiability
3	04/08/2024	UNITTEST-3	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Newton Laws of Motion, Friction, Gravitation
						Chemistry	Chemical Bonding, Thermodynamics - 01, Thermochemistry, Thermodynamics - 02
						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)
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
5	01/09/2024	UNITTEST-4	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Circular Motion, Current Electricity
						Chemistry	Redox & Equivalent Concepts, Coordination Chemistry, Metallurgy
						Mathematics	Trigonometric Ratio & Identities, Trigonometric Equation, Fundamental Of Geometry, Indefinite Integration
6	15/09/2024	UNITTEST-5	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Work, Power, Energy, Capacitance
						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)
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
8	13/10/2024	UNITTEST-6	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Center 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 (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Rotational Dynamics, Electromagnetic Induction (EMI)
						Chemistry	Acidic Strength & Basic Strength, Ideal Gas, Real Gas, Atomic Structure (Upto Bohr Model), Ionic Equilibrium, Electrochemistry
						Mathematics	Parabola, Ellipse, Hyperbola, Matrices
10	10/11/2024	UNITTEST-8	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Elasticity, Thermal Expansion, Calorimetry & Heat Transfer, Alternating Current
						Chemistry	Atomic Structure, Surface Chemistry, Salt Analysis, Heating Effect, Reactions of Salt Analysis
						Mathematics	Permutation & Combination, Binomial Theorem, Vectors
11	24/11/2024	REVIEWTEST-3	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 8, 9 & 10 (Unit Test- 6 to 8)
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
12	08/12/2024	UNITTEST-9	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	KTG, Thermodynamics, Wave Of String, Sound Wave, EM Waves, Wave Optics
						Chemistry	Chemical Equilibrium, s - Block Element & d - Block Compounds, p - Block Element, Hydrogen And Its Compounds, f - Block Element, Environmental Chemistry
						Mathematics	Complex Number, 3- Dimensional Geometry
13	22/12/2024	UNITTEST-10	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER	Physics	Fluid Mechanics, Simple Harmonic Motion, Modern Physics, Error In Measurements & Instruments, Semiconductor, Principle of Communication
						Chemistry	Isomerism, Purification & Characteristics of Organic Compounds, Carboxylic Acids & Its Derivative, Aliphatic Amines, Aromatic Compounds, Biomolecules, Polymer And Practical Organic Chemistry, Separation Techniques, Chemistry In Every Day Life
						Mathematics	Relation, Statistics, Probability
14	29/12/2024	REVIEWTEST-4	JEE (MAIN)	9 AM-12 NOON	CBT	Physics	Syllabus of Test No. 8 to 13 (Unit Test - 6 to 10)
			JEE (ADVANCED)	1 PM-4 PM		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)	9 AM-12 NOON	CBT	Physics	Full Syllabus
			(ALL INDIA OPEN TEST)				
			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:

- On the date of the COMPUTER BASED TEST (CBT) Exam, No hard copy paper will be given/conducted.
- Mode of test will be CBT & Pen Paper as per given in the test schedule. No live "Online CBT" exam will be given.
- For each CBT, the student has to download and print their CBT Admit Card from Student Control Panel.
- For **JEE (MAIN)** pattern tests please refer JEE (MAIN) syllabus only.
- Number of Tests/Dates/Timings/Pattern may differ according to the dates of Main Exams declared by the exam governing body.
- For detailed syllabus please visit **Download Schedule and Syllabus** section in Student Zone or refer Syllabus Booklet.
- Sealed Self Evaluation Home Test of JEE (MAIN) will be given to JEE (ADVANCED) Students at the end of their test for Practice at Home.
- DLP question paper & answer key will be available after completion the exam on **DSAT (dsat.allen.ac.in)** in PDF format (downloadable & printable format).
- Test syllabus may be change as per NTA/Exam governing body notification.
- 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.
- 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.
- ALL INDIA OPENTEST**: AIOT provides vast exposure, ranking and analysis on the national level to compete with ALLEN'S current year Classroom students.