



# 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	03/07/2022	UNITTEST-1	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics
						Chemistry	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry
						Mathematics	Logarithms, Trigonometric Ratios and Identities, Matrices & Determinants
2	17/07/2022	UNITTEST-2	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Kinematics, Current electricity
						Chemistry	Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry
						Mathematics	Quadratic Equations & Linear Inequalities, Functions and Inverse Trigonometric Function
3	31/07/2022	UNITTEST-3	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Laws of Motion and Friction, Capacitors
						Chemistry	GOC (complete)
						Mathematics	Trigonometric Equations, Height and Distance, Differential Calculus (Limit, Continuity, Differentiability, Differentiation)
4	14/08/2022	REVIEW TEST-1	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Syllabus of Test No. 1, 2 & 3 (Unit Test- 1 to 3)
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
5	28/08/2022	UNITTEST-4	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Work, Energy & Power, Magnetic effect of current, Magnetism and Matter
						Chemistry	Chemical Bonding, Solid state, Chemical kinetics
						Mathematics	Point and Straight Line, Indefinite integration
6	11/09/2022	UNITTEST-5	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Centre of Mass & Collisions, Electromagnetic Induction (EMI)
						Chemistry	Isomerism, Chemical Equilibrium, State of Matter (Gaseous State), Redox & Equivalent Concept
						Mathematics	Circle, Definite integration
7	25/09/2022	REVIEW TEST-2	JEE (ADVANCED)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Syllabus of Test No. 1 to 6 (Unit Test- 1 to 5)
			(2 PAPERS)	1 PM-4 PM		Chemistry	
						Mathematics	
8	09/10/2022	UNITTEST-6	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Rotational Motion, Alternating current (AC)
						Chemistry	Ionic Equilibrium, Acid Base theory, Nuclear chemistry, Reaction intermediate
						Mathematics	Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)



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9	30/10/2022	UNIT TEST- 7	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Thermal Physics ( Thermal Expansion, Calorimetry , Heat Transfer, KTG & Thermodynamics), Ray optics and optical Instruments
						Chemistry	Co-ordination compound, S-block elements & hydrogen, Boron & Carbon family
						Mathematics	Permutation & Combination and Binomial Theorem, Vectors
10	13/11/2022	UNIT TEST- 8	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Properties of matter and Fluid Mechanics, Gravitation, Wave optics (Nature of Light , Interference, Diffraction & Polarisation), Electromagnetic Waves
						Chemistry	Haloalkane, Aryl Halide (Substitution & Elimination), Electrochemistry & Solution, Ores & Metallurgy
						Mathematics	Complex Numbers, Principle of Mathematical Induction, Three Dimensional geometry
11	27/11/2022	REVIEW TEST-3	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Syllabus of Test No. 8, 9 & 10 (Unit Test- 6 to 8)
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
12	11/12/2022	UNIT TEST- 9	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Simple Harmonic Motion, Modern Physics
						Chemistry	Alkane, Alkenes & Alkynes, Aromatic hydrocarbon, Organic compounds containing oxygen & nitrogen, Qualitative analysis
						Mathematics	Parabola, Ellipse & Hyperbola, Area under the curve and Differential Equations
13	25/12/2022	UNIT TEST- 10	JEE (ADVANCED)	1 PM-4 PM	PEN PAPER (Available in Online CBT mode for Practice)	Physics	Waves (String & Sound waves), Practical Physics, Electronics and Communication systems
						Chemistry	Biomolecules (Carbohydrates, Amino Acid, Proteins), Polymer, Practical organic chemistry (Identification of elements & functional groups), Chemistry in everyday life, Environmental chemistry, Surface chemistry, d & f block element, p-block (nitrogen, oxygen, Fluorine & noble gas) family
						Mathematics	[Sets, Relation, Statistics, Mathematical Reasoning], Probability
14	08/01/2023	REVIEW TEST-4	JEE (ADVANCED)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Syllabus of Test No. 8 to 13 (Unit Test - 6 to 10)
			(2 PAPERS)	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	10/01/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	
2	15/01/2023	MAJOR TEST	JEE (MAIN)  (ALL INDIA OPEN TEST)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	
3	20/01/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	
4	05/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	
5	12/02/2023	MAJOR TEST	JEE (ADVANCED)  (2 PAPERS)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
				1 PM-4 PM		Chemistry	
						Mathematics	
6	19/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Full Syllabus
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
7	26/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	
8	05/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
			JEE (ADVANCED)	1 PM-4 PM		Chemistry	
						Mathematics	
9	12/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics	Full Syllabus
						Chemistry	
						Mathematics	



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10	19/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER <small>(Available in Online CBT mode for Practice)</small>	Physics	Full Syllabus
						Chemistry	
						Mathematics	
11	26/03/2023	MAJOR TEST	JEE (MAIN) <small>(ALL INDIA OPEN TEST)</small>	9 AM-12 NOON	CBT AT CENTER <small>(Available in Online CBT mode for Practice)</small>	Physics	Full Syllabus
						Chemistry	
						Mathematics	
12	16/04/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON	ONLINE CBT <small>(Available in Online CBT mode for Practice)</small>	Physics	Full Syllabus
				2 PM-5 PM		Chemistry	
						Mathematics	
13	30/04/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON	CBT AT CENTER <small>(Available in Online CBT mode for Practice)</small>	Physics	Full Syllabus
				2 PM-5 PM		Chemistry	
						Mathematics	
14	06/05/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS) <small>(ALL INDIA OPEN TEST)</small>	9 AM-12 NOON	CBT AT CENTER	Physics	Full Syllabus
				2:30 PM-5:30 PM		Chemistry	
						Mathematics	
15	10/05/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON	ONLINE CBT	Physics	Full Syllabus
				2 PM-5 PM		Chemistry	
						Mathematics	
16	13/05/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS) <small>(ALL INDIA OPEN TEST)</small>	9 AM-12 NOON	CBT AT CENTER	Physics	Full Syllabus
				2:30 PM-5:30 PM		Chemistry	
						Mathematics	
17	21/05/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON	ONLINE CBT	Physics	Full Syllabus
				2 PM-5 PM		Chemistry	
						Mathematics	
18	28/05/2023	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON	ONLINE CBT	Physics	Full Syllabus
				2 PM-5 PM		Chemistry	
						Mathematics	



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## NOTE:

1. 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.
2. If the number of students are less /minimum at CBT Center then the test will be available on your **DSAT (dsat.allen.ac.in)** panel in **ONLINE CBT** mode (attempt test paper from home in online mode) as per the schedule.
3. On the date of the COMPUTER BASED TEST (**CBT**) Exam, No hard copy paper will be given/conducted.
4. For each CBT Test, the student has to download and print their CBT Admit Card from Student Control Panel.
5. For **JEE (MAIN)** pattern tests please refer JEE (MAIN) syllabus only.
6. Number of Tests/Dates/Timings may differ according to the dates of Main Exams declared by the exam governing body.
7. For detailed syllabus please visit **Download Schedule and Syllabus** section in Student Zone or refer Syllabus Booklet.
8. 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.
9. Students who were not able to attempt the exam on the Test Date due to late registration or absence, can avail their missed exams as **Practice Test on DSAT** panel and will also get the All India Predicted Rank (PR) **after the AIR declaration** of the particular test.
10. DLP question paper & answer key will be available after completion the exam on DSAT (dsat.allen.ac.in) in PDF format (downloadable & printable format).
11. **ALL INDIA OPENTEST** : To give students a vast exposure, ranking and analysis on national level; ALLEN has introduced All India Open Test for DLP students with its current CCP students, making ALLEN's DLP program to be unique and most benecial for the students community.
12. Test syllabus may be change as per NTA/Exam governing body notification .