

JEE(Main+Advanced) : Topic Wise Syllabus & Schedule

For : Leader Computer Based Test Series (Class XII / XII Pass Students)

Test No.	Test Date	Test Type	Test Pattern	Test Timings	Subject	Topics Covered
1	29/08/2021	REVIEW TEST-1 (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics, Kinematics, Current electricity, Laws of Motion and Friction, Capacitors
			JEE (ADVANCED)	1 PM-4 PM	Chemistry	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry, Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry, GOC (complete)
					Mathematics	**Logarithms, Trigonometric Ratios and Identities, Matrices & Determinants, Quadratic Equations & *Linear Inequalities, Functions and Inverse Trigonometric Function, Trigonometric Equations, **Solution of Triangles, *Height and Distance, Differential Calculus (Limit, Continuity, Differentiability, Differentiation)
2	10/10/2021	REVIEW TEST-2 (Available in Online CBT mode for Practice)	JEE (ADVANCED) (2 PAPERS)	P-1: 9 AM-12 NOON P-2: 1 PM-4 PM	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics, Kinematics, Current electricity, Laws of Motion and Friction, Capacitors, Work, Energy & Power, Magnetic effect of current, Magnetism and Matter*, Centre of Mass & Collisions, Electromagnetic Induction (EMI)
					Chemistry	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry, Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry, GOC (complete), Chemical Bonding, Solid state, Chemical kinetics, Isomerism, Chemical Equilibrium, State of Matter (Gaseous State), Redox & Equivalent Concept
					Mathematics	**Logarithms, Trigonometric Ratios and Identities, Matrices & Determinants, Quadratic Equations & *Linear Inequalities, Functions and Inverse Trigonometric Function, Trigonometric Equations, **Solution of Triangles, *Height and Distance, Differential Calculus (Limit, Continuity, Differentiability, Differentiation), Point and Straight Line, Indefinite integration, Circle, Definite integration
3	28/11/2021	REVIEW TEST-3 (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	Physics	Rotational Motion, Alternating current (AC), Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Ray optics and optical Instruments, Properties of matter and Fluid Mechanics, Gravitation, Wave optics (Nature of Light, Interference, Diffraction* & Polarisation*), Electromagnetic Waves*
			JEE (ADVANCED)	1 PM-4 PM	Chemistry	Ionic Equilibrium, Acid Base theory, Nuclear chemistry, Reaction intermediate, Co-ordination compound, s-block elements & hydrogen, Boron & Carbon family, Haloalkane, Aryl Halide (Substitution & Elimination), Electrochemistry & Solution, Ores & Metallurgy
					Mathematics	Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal), Permutation & Combination and Binomial Theorem, Vectors, Complex Numbers, *Principle of Mathematical Induction, Three Dimensional geometry
4	19/12/2021	REVIEW TEST-4 (Available in Online CBT mode for Practice)	JEE (ADVANCED) (2 PAPERS)	P-1: 9 AM-12 NOON P-2: 1 PM-4 PM	Physics	Rotational Motion, Alternating current (AC), Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Ray optics and optical Instruments, Properties of matter and Fluid Mechanics, Gravitation, Wave optics (Nature of Light, Interference, Diffraction* & Polarisation*), Electromagnetic Waves*, Simple Harmonic Motion, Modern Physics, Waves (String & Sound waves), Practical Physics, Electronics and Communication systems*
					Chemistry	Ionic Equilibrium, Acid Base theory, Nuclear chemistry, Reaction intermediate, Co-ordination compound, s-block elements & hydrogen, Boron & Carbon family, Haloalkane, Aryl Halide (Substitution & Elimination), Electrochemistry & Solution, Ores & Metallurgy, Alkane, Alkenes & Alkynes, Aromatic hydrocarbon, Organic compounds containing oxygen & nitrogen, Qualitative analysis, 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	Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal), Permutation & Combination and Binomial Theorem, Vectors, Complex Numbers, *Principle of Mathematical Induction, Three Dimensional geometry, Parabola, Ellipse & Hyperbola, Area under the curve and Differential Equations, *[Sets, Relation, Statistics, Mathematical Reasoning], Probability



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Test No.	Test Date	Test Type	Test Pattern	Test Timings	Subject	Topics Covered
MAJOR TEST						
1	26/12/2021	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
2	02/01/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
3	06/02/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (ADVANCED) (2 PAPERS)	9 AM-12 NOON 2 PM-5 PM	Physics Chemistry Mathematics	Full Syllabus
4	13/02/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
5	20/02/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN) (ALL INDIA OPENTEST) JEE (ADVANCED)	9 AM-12 NOON 1 PM-4 PM	Physics Chemistry Mathematics	Full Syllabus
6	13/03/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN) JEE (ADVANCED)	9 AM-12 NOON 1 PM-4 PM	Physics Chemistry Mathematics	Full Syllabus
7	27/03/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
8	03/04/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
9	10/04/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
10	17/04/2022	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
11	24/04/2022	MAJOR TEST	JEE (ADVANCED) P1 JEE (ADVANCED) P2	9 AM-12 NOON 2 PM-5 PM	Physics Chemistry Mathematics	Full Syllabus
12	08/05/2022	MAJOR TEST	JEE (ADVANCED) P1 JEE (ADVANCED) P2	9 AM-12 NOON 2 PM-5 PM	Physics Chemistry Mathematics	Full Syllabus
13	28/05/2022	MAJOR TEST	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
14	09/06/2022	MAJOR TEST	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus

#Further Test dates will be announced later for July session JEE (MAIN) 2022.



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*Marked Topic/Topics are only in JEE (MAIN) Syllabus. | **Marked Topic/Topics are only in JEE (ADVANCED) Syllabus.

NOTE:

1. Under any unforeseen circumstances, if it is not possible to conduct a test in **CBT 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. For each CBT Test, the student has to download and print their CBT Admit Card from **User Control Panel**.
3. For **JEE (MAIN)** pattern tests please refer JEE (MAIN) syllabus only.
4. Number of Tests/Dates/Timings/Pattern may differ according to the dates of Main Exams declared by the exam governing body.
5. 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.
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. **ALL INDIA OPEN TEST**: 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 beneficial for the students community.