

JEE(Main) : 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	Mode of Test	Subject	Topics Covered
1	14/08/2022	REVIEWTEST-1	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics, Kinematics (Motion along a straight line and Motion in a plane), Current electricity, Laws of Motion and Friction, Capacitors
						Chemistry	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry, Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry, GOC (complete)
						Mathematics	Trigonometric Ratios and Identities, Matrices & Determinants, Quadratic Equations, Functions and Inverse Trigonometric Function, Trigonometric Equations, Height & Distance, Differential, Calculus (Limit, Continuity, Differentiability, Differentiation)
2	25/09/2022	REVIEWTEST-2	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics, Kinematics (Motion along a straight line and Motion in a plane), Current electricity, Laws of Motion and Friction, Capacitors, Work, Energy & Power, Circular Motion, Magnetic effect of current and Magnetism, Conservation Laws-Collisions and Centre of Mass, 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	Trigonometric Ratios and Identities, Matrices & Determinants, Quadratic Equations, Functions and Inverse Trigonometric Function, Trigonometric Equations, Height & Distance, Differential, Calculus (Limit, Continuity, Differentiability, Differentiation), Point and Straight Line, Indefinite integration, Circle, Definite integration
3	27/11/2022	REVIEWTEST-3	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Rotational Motion, Alternating current, 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), EM Waves
						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	08/01/2023	REVIEWTEST-4	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics	Rotational Motion, Alternating current, 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), EM Waves, Oscillations (SHM, damped and forced oscillations & Resonance), Modern Physics, Wave Motion and Doppler's Effect, 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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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 Chemistry Mathematics	Full Syllabus
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 Chemistry Mathematics	Full Syllabus
3	20/01/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
4	05/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
5	12/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
6	19/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
7	26/02/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
8	05/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
9	12/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	ONLINE CBT (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
10	19/03/2023	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus
11	26/03/2023	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	CBT AT CENTER (Available in Online CBT mode for Practice)	Physics Chemistry Mathematics	Full Syllabus

NOTE:

1. ONLINE CBT : Attempt test from home in online mode on your device (PC, Laptop, Mobile) at DSAT (dsat.allen.ac.in) panel.
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. 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.
4. For each CBT Test, the student has to download and print their CBT Admit Card from **User Control Panel**.
5. For **JEE (MAIN)** pattern tests please refer JEE (MAIN) syllabus only.
6. Number of Tests/Dates/Timings/Pattern may differ according to the dates of Main Exams declared by the exam governing body.
7. 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.
8. DLP question paper & answer key will be available after completion the exam on DSAT (dsat.allen.ac.in) in PDF format (downloadable & printable format).
9. **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.