



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	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 (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 & Linear Inequalities, Functions and Inverse Trigonometric Function, Trigonometric Equations, Height & Distance, Differential, Calculus (Limit, Continuity, Differentiability, Differentiation)
2	10/10/2021	REVIEW TEST-2 (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 (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 & Linear Inequalities, 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	28/11/2021	REVIEW TEST-3 (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	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	19/12/2021	REVIEW TEST-4 (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	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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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 (MAIN)	9 AM-12 NOON	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)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
6	13/03/2022	MAJOR TEST (Available in Online CBT mode for Practice)	JEE (MAIN)	9 AM-12 NOON	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	28/05/2022	MAJOR TEST	JEE (MAIN) (ALL INDIA OPENTEST)	9 AM - 12 NOON	Physics Chemistry Mathematics	Full Syllabus
12	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.

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 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 beneficial for the students community.