



## 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	16/08/2020	REVIEW TEST-1	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	27/09/2020	REVIEW TEST-2	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	22/11/2020	REVIEW TEST-3	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	13/12/2020	REVIEW TEST-4	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	17/01/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
2	29/01/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
3	07/02/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
4	13/02/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
5	07/03/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
6	28/03/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
7	11/04/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
8	18/04/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
9	09/05/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
10	16/05/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
11	13/07/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
12	19/07/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
13	09/08/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
14	16/08/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus

## NOTE :

- Under any unforeseen circumstances, if it is not possible to conduct a test in CBT mode then the test will be made available on your DSAT panel in ONLINE CBT (attempt test paper from home in online mode) as well as in the PDF format as per the schedule.
- For each CBT Test, the student has to download and print their CBT Admit Card from Student Control Panel.
- Number of Tests/Dates/Timings may differ according to the dates of Main Exams declared by the exam governing body.
- Students who missed CBT due to late registration or absence can avail **CBT practice Test** Online after the declaration of AIR on <http://dsat.allen.ac.in>
- CBT Paper & Answer key will be available in PDF format on DSAT control panel after every CBT exam.