



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	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, Current electricity, Laws of Motion and Friction, Capacitors
			JEE (ADVANCED)	2 PM-5 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	27/09/2020	REVIEW TEST-2	JEE (ADVANCED) (2 PAPERS)	P-1: 9 AM-12 NOON P-2: 2 PM-5 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	22/11/2020	REVIEW TEST-3	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)	2 PM-5 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	13/12/2020	REVIEW TEST-4	JEE (ADVANCED) (2 PAPERS)	P-1: 9 AM-12 NOON P-2: 2 PM-5 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	20/12/2020	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
2	27/12/2020	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics Chemistry Mathematics	Full Syllabus
3	24/01/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
			JEE (ADVANCED)	2 PM-5 PM	Chemistry Mathematics	
4	07/02/2021	MAJOR TEST	JEE (ADVANCED) (2 PAPERS) (ALL INDIA OPEN TEST)	P-1: 9AM-12NOON	Physics	Full Syllabus
				P-2: 2 PM-5 PM	Chemistry Mathematics	
5	07/03/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
			JEE (ADVANCED)	2 PM-5 PM	Chemistry Mathematics	
6	14/03/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry Mathematics	
7	21/03/2021	MAJOR TEST	JEE (MAIN) (ALL INDIA OPEN TEST)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry Mathematics	
8	25/04/2021	MAJOR TEST	JEE (ADVANCED) (2 PAPERS)	P-1: 9AM-12NOON	Physics	Full Syllabus
				P-2: 2 PM-5 PM	Chemistry Mathematics	
9	02/05/2021	MAJOR TEST	JEE (ADVANCED) (2 PAPERS) (ALL INDIA OPEN TEST)	P-1: 9AM-12NOON	Physics	Full Syllabus
				P-2: 2 PM-5 PM	Chemistry Mathematics	
10	09/05/2021	MAJOR TEST	JEE (ADVANCED) (2 PAPERS) (ALL INDIA OPEN TEST)	P-1: 9AM-12NOON	Physics	Full Syllabus
				P-2: 2 PM-5 PM	Chemistry Mathematics	

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

NOTE :

- For each CBT Test, the student has to download and print their CBT Admit Card from Student Control Panel.
- For **JEE (MAIN)** pattern tests please refer JEE (MAIN) syllabus only.
- 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.