



# JEE(Main) : Topic Wise Syllabus & Schedule

For : Nurture Computer Based Test Series (Class XI Undergoing 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, Kinematics (Motion along a straight line and Motion in a plane), Laws of Motion and Friction
					Chemistry	Mole Concept, Atomic structure, Periodic properties, Basic inorganic nomenclature
					Mathematics	Trigonometric Ratios and Identities, Trigonometric Equations, Height and Distance, Quadratic Equations & Linear Inequilities
2	27/09/2020	REVIEW TEST-2	JEE (MAIN)	9 AM-12 NOON	Physics	Basic Mathematics used in Physics, Vectors, Units & Dimensions and Measurement, Kinematics (Motion along a straight line and Motion in a plane), Laws of Motion and Friction, Work, Energy & Power, Circular Motion, Conservation Laws- Collisions and Centre of Mass
					Chemistry	Mole Concept, Atomic structure, Periodic properties, Basic inorganic nomenclature, Chemical Bonding, Redox & equivalent concept, Chemical Equilibrium
					Mathematics	Trigonometric Ratios and Identities, Trigonometric Equations, Height and Distance, Point and Straight Line, Circle, Quadratic Equations & Linear Inequilities,
3	22/11/2020	REVIEW TEST-3	JEE (MAIN)	9 AM-12 NOON	Physics	Rotational Motion, Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Gravitation, Properties of matter and Fluid Mechanics
					Chemistry	Organic nomenclature, Basic principles of practical organic chemistry, State of matter (Gaseous State), Ionic Equilibrium, Acid Base theory, s-block elements & hydrogen, Boron & Carbon family, GOC (application of electronic effect, aromaticity, application of Inductive, Resonance, Hyperconjugation effect on stability of intermediates)
					Mathematics	Sequences and Series, Permutation & Combination and Binomial Theorem, Complex Numbers, Principle of Mathematical Induction
4	29/01/2021	REVIEW TEST-4	JEE (MAIN)	9 AM-12 NOON	Physics	Rotational Motion, Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Gravitation, Properties of matter and Fluid Mechanics, Oscillations (SHM, damped and forced oscillations & Resonance), Wave Motion and Doppler's Effect
					Chemistry	Organic nomenclature, Basic principles of practical organic chemistry, State of matter (Gaseous State), Ionic Equilibrium, Acid Base theory, s-block elements & hydrogen, Boron & Carbon family, GOC (application of electronic effect, aromaticity, application of Inductive, Resonance, Hyperconjugation effect on stability of intermediates), GOC (acidic & basic strength), isomerism (Geometrical & Structural), Alkane, Alkenes & Alkynes, Chemical Thermodynamics & Thermochemistry, Aromatic hydrocarbon, environmental chemistry
					Mathematics	Sequences and Series, Permutation & Combination and Binomial Theorem, Complex Numbers, Principle of Mathematical Induction, Parabola, Ellipse & Hyperbola, Functions, [Limits and Derivatives and Three Dimensional Geometry, Probability (All Elementary Level)], [Sets, Relation, Statistics, Mathematical Reasoning]
MAJOR TEST						
1	07/02/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry	
					Mathematics	
2	07/03/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry	
					Mathematics	
3	28/03/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry	
					Mathematics	
4	18/04/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry	
					Mathematics	
5	25/04/2021	MAJOR TEST	JEE (MAIN)	9 AM-12 NOON	Physics	Full Syllabus
					Chemistry	
					Mathematics	

**NOTE:** 1. For each CBT Test, the student has to download and print their CBT Admit Card from Student Control Panel. | 2. Number of Tests/Dates/Timings may differ according to the dates of Main Exams declared by the exam governing body. | 3. 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> | 4. CBT Paper & Answer key will be available in PDF format on DSAT control panel after every CBT exam. | 5. 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.