



JEE(Main+Advanced) : Topic Wise Syllabus & Schedule

For : Leader Test Series (Class XII / XII Pass Students)

Test No.	Test Date	Test Type	Subject	Topics Covered
1	05/07/2020	UNITTEST- 1	Physics	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics
			Chemistry	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry
			Mathematics	**Logarithms, Trigonometric Ratios and Identities, Matrices & Determinants
2	19/07/2020	UNITTEST- 2	Physics	Kinematics, Current electricity
			Chemistry	Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry
			Mathematics	Quadratic Equations & *Linear Inequalities, Functions and Inverse Trigonometric Function
3	02/08/2020	UNITTEST- 3	Physics	Laws of Motion and Friction, Capacitors
			Chemistry	GOC (complete)
			Mathematics	Trigonometric Equations, **Solution of Triangles, *Height and Distance, Differential Calculus (Limit, Continuity, Differentiability, Differentiation)
4	16/08/2020	REVIEW TEST-1	Physics	Syllabus of Test No. 1, 2 & 3 (Unit Test- 1 to 3)
			Chemistry	
			Mathematics	
5	30/08/2020	UNITTEST- 4	Physics	Work, Energy & Power, Magnetic effect of current, Magnetism and Matter *
			Chemistry	Chemical Bonding, Solid state, Chemical kinetics
			Mathematics	Point and Straight Line, Indefinite integration
6	13/09/2020	UNITTEST- 5	Physics	Centre of Mass & Collisions, Electromagnetic Induction (EMI)
			Chemistry	Isomerism, Chemical Equilibrium, State of Matter (Gaseous State), Redox & Equivalent Concept
			Mathematics	Circle, Definite integration
7	27/09/2020	REVIEW TEST-2	Physics	Syllabus of Test No. 1 to 6 (Unit Test- 1 to 5)
			Chemistry	
			Mathematics	
8	11/10/2020	UNITTEST- 6	Physics	Rotational Motion, Alternating current (AC)
			Chemistry	Ionic Equilibrium, Acid Base theory, Nuclear chemistry, Reaction intermediate
			Mathematics	Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)
9	25/10/2020	UNITTEST- 7	Physics	Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Ray optics and optical Instruments
			Chemistry	Co-ordination compound, S-block elements & hydrogen, Boron & Carbon family
			Mathematics	Permutation & Combination and Binomial Theorem, Vectors
10	08/11/2020	UNITTEST- 8	Physics	Properties of matter and Fluid Mechanics, Gravitation, Wave optics (Nature of Light, Interference, Diffraction* & Polarisation*), Electromagnetic Waves *
			Chemistry	Haloalkane, Aryl Halide (Substitution & Elimination), Electrochemistry & Solution, Ores & Metallurgy
			Mathematics	Complex Numbers, *Principle of Mathematical Induction, Three Dimensional geometry
11	22/11/2020	REVIEW TEST-3	Physics	Syllabus of Test No. 8, 9 & 10 (Unit Test- 6 to 8)
			Chemistry	
			Mathematics	



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12	29/11/2020	UNITTEST-9	Physics	Simple Harmonic Motion, Modern Physics
			Chemistry	Alkane, Alkenes & Alkynes, Aromatic hydrocarbon, Organic compounds containing oxygen & nitrogen, Qualitative analysis
			Mathematics	Parabola, Ellipse & Hyperbola, Area under the curve and Differential Equations
13	06/12/2020	UNITTEST-10	Physics	Waves(String & Sound waves), Practical Physics, Electronics and Communication systems*
			Chemistry	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	*[Sets, Relation, Statistics, Mathematical Reasoning], Probability
14	13/12/2020	REVIEW TEST-4	Physics	Syllabus of Test No. 8 to 13 (Unit Test - 6 to 10)
			Chemistry	
			Mathematics	
MAJOR TEST : Dates for remaining Major Tests will be declared in the month of December 2020				
1	20/12/2020	MAJOR TEST	Physics	Full Syllabus
			Chemistry	
			Mathematics	
2	27/12/2020	MAJOR TEST	Physics	Full Syllabus
			Chemistry	
			Mathematics	
3	24/01/2021	MAJOR TEST	Physics	Full Syllabus
			Chemistry	
			Mathematics	
4	07/02/2021	MAJOR TEST	Physics	Full Syllabus
			Chemistry	
			Mathematics	