

[For English Medium Students]

PHYSICS

Test No.	Topic Covered
01	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement, Electrostatics
02	Kinematics, Current electricity
03	Laws of Motion and Friction, Capacitors
04	Syllabus of Test # 1, 2 & 3
05	Work, Energy & Power, Magnetic effect of current, Magnetism and Matter*
06	Centre of Mass & Collisions, Electromagnetic Induction (EMI)
07	Rotational Motion, Alternating current (AC)
08	Syllabus of Test # 5, 6 & 7
09	Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Ray optics and optical Instruments
10	Properties of matter and Fluid Mechanics, Gravitation, Wave optics (Nature of Light, Interference, Diffraction* & Polarisation*), Electromagnetic Waves*
11	Simple Harmonic Motion, Modern Physics
12	Waves (String & Sound waves), Practical Physics, Electronics and Communication systems*
13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

CHEMISTRY

Test No.	Topic Covered
01	Mole Concept, Atomic structure, Organic nomenclature, Basic principles of practical organic chemistry.
02	Periodic properties, Basic inorganic nomenclature, Chemical thermodynamics & Thermochemistry
03	GOC (complete)
04	Syllabus of Test # 1, 2 & 3
05	Chemical Bonding, Solid state, Chemical kinetics
06	Isomerism, Chemical Equilibrium, State of matter (gaseous state), Redox & equivalent concept
07	Ionic Equilibrium, Acid Base theory, Nuclear chemistry, Reaction intermediate.
08	Syllabus of Test # 5, 6 & 7
09	Co-ordination compound, s-block elements & hydrogen, Boron & Carbon family.
10	Haloalkane, Aryl Halide (Substitution & Elimination),

Electrochemistry & Solution, Ores & Metallurgy.

11	Alkane, Alkenes & Alkynes, Aromatic hydrocarbon, Organic compounds containing oxygen & nitrogen, Qualitative analysis.
12	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.
13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

MATHEMATICS

Test No.	Topic Covered
01	**Logarithms, Trigonometric Ratios and Identities, Matrices & Determinants
02	Quadratic Equations & *Linear Inequalities, Functions and Inverse Trigonometric Function
03	Trigonometric Equations, **Solution of Triangles, *Height and Distance, Differential Calculus (Limit, Continuity, Differentiability, Differentiation)
04	Syllabus of Test # 1, 2 & 3
05	Point and Straight Line, Indefinite integration
06	Circle, Definite integration
07	Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)
08	Syllabus of Test # 5, 6 & 7
09	Permutation & Combination and Binomial Theorem, Vectors
10	Complex Numbers, *Principle of Mathematical Induction, Three Dimensional geometry,
11	Parabola, Ellipse & Hyperbola, Area under the curve and Differential Equations
12	*[Sets, Relation, Statistics, Mathematical Reasoning], Probability
13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

*MARKED TOPIC / TOPICS ARE ONLY IN JEE - MAIN SYLLABUS,

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