

PHYSICS

Test No. Topic Covered

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| 01 | Basic Mathematics used in Physics, Vectors, Units & Dimensions and Measurement |
| 02 | Kinematics (Motion along a straight line and Motion in a plane) |
| 03 | Laws of Motion and Friction |
| 04 | Syllabus of Test # 1, 2 & 3 |
| 05 | Work, Energy & Power, Circular Motion |
| 06 | Conservation Laws-Collisions and Centre of Mass |
| 07 | Rotational Motion |
| 08 | Syllabus of Test # 5, 6 & 7 |
| 09 | Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics) |
| 10 | Gravitation, Properties of matter and Fluid Mechanics |
| 11 | Oscillations (SHM, damped and forced oscillations & Resonance) |
| 12 | Wave Motion and Doppler's Effect |
| 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

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| 01 | Mole Concept |
| 02 | Atomic structure |
| 03 | Periodic properties, Basic inorganic nomenclature. |
| 04 | Syllabus of Test # 1, 2 & 3 |
| 05 | Chemical Bonding |
| 06 | Redox & equivalent concept, Chemical Equilibrium. |
| 07 | Organic nomenclature, Basic principles of practical organic chemistry, State of matter (gaseous state) |
| 08 | Syllabus of Test # 5, 6 & 7 |
| 09 | Ionic Equilibrium, Acid Base theory, s-block elements & hydrogen, Boron & Carbon family. |
| 10 | GOC (application of electronic effect, aromaticity, application of Inductive, Resonance, Hyperconjugation effect on stability of intermediates) |
| 11 | GOC (acidic & basic strength), isomerism |

(Geometrical & Structural).

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| 12 | Alkane, Alkenes & Alkynes, Chemical Thermodynamics & Thermochemistry, Aromatic hydrocarbon, environmental chemistry. |
| 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

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|----|--|
| 01 | Trigonometric Ratios and Identities. |
| 02 | Quadratic Equations & Linear Inequalities |
| 03 | Trigonometric Equations, Height and Distance |
| 04 | Syllabus of Test # 1, 2 & 3 |
| 05 | Point and Straight Line |
| 06 | Circle |
| 07 | Sequences and Series |
| 08 | Syllabus of Test # 5, 6 & 7 |
| 09 | Permutation & Combination and Binomial Theorem, |
| 10 | Complex Numbers, Principle of Mathematical Induction |
| 11 | Parabola, Ellipse & Hyperbola |
| 12 | Functions, [Limits and Derivatives and Three Dimensional Geometry, Probability (All Elementary Level)], [Sets, Relation, Statistics, Mathematical Reasoning] |
| 13 | Syllabus of Test # 9, 10, 11 & 12 |
| 14 | Full Syllabus |
| 15 | Full Syllabus |
| 16 | Full Syllabus |
| 17 | Full Syllabus |

JEE (Main) Result 2018



AIR-3

Parth Laturia
Classroom