

JEE (Main+Advanced)

[For both English/Hindi Medium Students]

NURTURE Test Series Syllabus

PHYSICS

Test No.	Topic Covered
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| 01 | Basic Mathematics used in Physics, Vectors, Units & Dimensions and Measurement |
| 02 | Kinematics |
| 03 | Laws of Motion and Friction |
| 04 | Review Test - 1 : Syllabus of Test No. 1, 2 & 3 |
| 05 | Work, Energy & Power |
| 06 | Centre of Mass & Collisions |
| 07 | Review Test - 2 : Syllabus of Test No. 1 to 6 |
| 08 | Rotational Motion |
| 09 | Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics) |
| 10 | Gravitation, Properties of matter and Fluid Mechanics |
| 11 | Review Test - 3 : Syllabus of Test No. 8, 9 & 10 |
| 12 | Simple Harmonic Motion |
| 13 | Waves (String & Sound waves) |
| 14 | Review Test - 4 : Syllabus of Test No. 8 to 13 |
| 15-20 | Full Syllabus |

CHEMISTRY

Test No.	Topic Covered
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| 01 | Mole Concept |
| 02 | Atomic structure |
| 03 | Periodic properties, Basic inorganic nomenclature |
| 04 | Review Test - 1 : Syllabus of Test No. 1, 2 & 3 |
| 05 | Chemical Bonding |
| 06 | Redox & equivalent concept, Chemical Equilibrium |
| 07 | Review Test - 2 : Syllabus of Test No. 1 to 6 |
| 08 | Organic nomenclature, Basic principles of practical organic chemistry, State of matter (gaseous state) |
| 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). |

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| 11 | Review Test - 3 : Syllabus of Test No. 8, 9 & 10 |
| 12 | GOC (acidic & basic strength), isomerism (Geometrical & Structural). |
| 13 | Alkane, Alkenes & Alkynes, Chemical thermodynamics & Thermochemistry, Aromatic hydrocarbon, environmental chemistry. |
| 14 | Review Test - 4 : Syllabus of Test No. 8 to 13 |
| 15-20 | Full Syllabus |

MATHEMATICS

Test No.	Topic Covered
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| 01 | **Logarithms, Trigonometric Ratios and Identities |
| 02 | Quadratic Equations & *Linear Inequalities |
| 03 | Trigonometric Equations, **Solution of Triangles, *Height and Distance |
| 04 | Review Test - 1 : Syllabus of Test No. 1, 2 & 3 |
| 05 | Point and Straight Line |
| 06 | Circle |
| 07 | Review Test - 2 : Syllabus of Test No. 1 to 6 |
| 08 | Sequences and Series |
| 09 | Permutation & Combination and Binomial Theorem |
| 10 | Complex Numbers, *Principle of Mathematical Induction |
| 11 | Review Test - 3 : Syllabus of Test No. 8, 9 & 10 |
| 12 | Parabola, Ellipse & Hyperbola |
| 13 | Functions, [Limits and Derivatives and Three Dimensional Geometry, Probability (All Elementary Level)], *[Sets, Relation, Statistics, Mathematical Reasoning] |
| 14 | Review Test - 4 : Syllabus of Test No. 8 to 13 |
| 15-19 | Full Syllabus |

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

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