JEE (Main)

NURTURE Test Series Syllabus

[For both English/Hindi Medium Students]

PHYSICS

Test No.	Topic Covered
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	Review Test - 1 : Syllabus of Test No. 1, 2 & 3
05	Work, Energy & Power,Circular Motion
06	Conservation Laws-Collisions and Centre of Mass
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	Oscillations (SHM, damped and forced oscillations & Resonance)
13	Wave Motion and Doppler's Effect
14	Review Test - 4 : Syllabus of Test No. 8 to13
15-19	Full Syllabus

CHEMISTRY

Test No.	Topic Covered
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)
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
15-19	Full Syllabus

MATHEMATICS

Test No.	Topic Covered
01	Trigonometric Ratios and Identities
02	Quadratic Equations
03	Trigonometric Equations, 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