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	Syllabus of Test # 1, 2 & 3
05	Work, Energy & Power, Circular Motion
06	Conservation Laws-Collisions and Centre of Mass
07	Syllabus of Test # 1, 2, 3, 5 & 6
08	Rotational Motion
09	Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics)
10	Gravitation, Properties of matter and Fluid Mechanics
11	Syllabus of Test # 8, 9 & 10
12	Oscillations (SHM, damped and forced oscillations & Resonance)
13	Wave Motion and Doppler's Effect
14	Syllabus of Test # 8, 9, 10, 12 & 13
15	Full Syllabus
16	Full Syllabus

CHEMISTRY

Test No.	Topic Covered
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	Syllabus of Test # 1, 2, 3, 5 & 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	Syllabus of Test # 8, 9 & 10
12	GOC (acidic & basic strength), isomerism (Geometrical & Structural).
13	Alkane, Alkenes & Alkynes, Chemical Thermodynamics & Thermochemistry, Aromatic hydrocarbon, environmental chemistry.
14	Syllabus of Test # 8, 9, 10, 12 & 13
15	Full Syllabus
16	Full Syllabus

MATHEMATICS

Test No.	Topic Covered
01	Trigonometric Ratios and Identities.
02	Quadratic Equations & Linear Inequilities
03	Trigonometric Equations, Height and Distance
04	Syllabus of Test # 1, 2 & 3
05	Point and Straight Line
06	Circle
07	Syllabus of Test # 1, 2, 3, 5 & 6
08	Sequences and Series
09	Permutation & Combination and Binomial Theorem,
10	Complex Numbers, Principle of Mathematical Induction
11	Syllabus of Test # 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	Syllabus of Test # 8, 9, 10, 12 & 13
15	Full Syllabus
16	Full Syllabus

JEE (Main) Result 2017

AIR-4

Vedant Raval
(Classroom)