

FULL TEST – 1

PATTERN – JEE ADVANCED

MATHEMATICS

SYLLABUS

- Trigonometry - Equations and Properties of Triangles
- Trigonometry - Trigonometric series, inequalities etc.
- Sets, Relation Functions
- Permutations & Combinations
- Binomial Theorem
- Mathematical Reasoning
- Sequences and Series
- Straight Lines
- Circles
- Parabola
- Ellipse
- Hyperbola
- Elementary Probability
- Limits and Continuity
- Derivatives and Differentiability

PHYSICS

SYLLABUS

- Motion in a Plane
- Laws of Motion
- Work, Energy and Power
- Circular Motion
- Physical World
- Units and Measurement
- Vectors
- Motion in a Straight Line
- System of Particles and Rotational Motion
- Gravitation
- Mech prop of solids
- Thermal Properties of Matter
- Thermodynamics
- Kinetic Theory
- Oscillations
- Waves

CHEMISTRY

SYLLABUS

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements
- Chemical Bonding & Molecular Structure
- States of Matter
- Thermodynamics
- Equilibrium (Chemical & Ionic Equilibrium)
- Redox reactions
- Hydrogen
- S-Block Elements
- P-Block Elements
- Organic Chemistry - Some basic principles and techniques
- Hydrocarbons
- Environmental Chemistry