

FULL TEST – 1

PATTERN – JEE ADVANCED

MATHEMATICS

SYLLABUS

- Relations and Functions
- Inverse Trigonometric Functions
- Matrices and Determinants
- Continuity and Differentiability
- Applications of Derivatives
- Indefinite and Definite Integrals
- Applications of Integrals
- Differential Equations
- Vectors
- 3-D Geometry
- Linear Programming
- Probability

PHYSICS

SYLLABUS

- Electric Charges and Field
- Electrical Potential and Capacitance
- Current Electricity
- Moving charges and Magnetism
- Semiconductor Electronics
- Communication Systems
- Magnetism and Matter
- Electromagnetic Induction
- AC Circuits
- Electromagnetic Waves
- Ray Optics and Optical Instruments
- Wave Optics
- Dual Nature of Matter and Radiation
- Atoms
- Nuclei

CHEMISTRY

SYLLABUS

- Solid States
- Solutions
- Electrochemistry
- Chemical Kinetics, Nuclear Chemistry
- Surface Chemistry
- General Principles and Processes of Isolation of Elements
- Biomolecules
- Polymers
- P-Block Elements (Nitrogen family, Oxygen Family, Halogen Family & Noble gases)
- d-and f-block Elements
- Coordination compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers
- Aldehydes, Ketons and Carboxylic Acids
- Chemistry in Everyday Life