

# **JEE Coaching Syllabus**

## **Physics**

1. Kinematics
2. Laws of Motion
3. Work, Energy, and Power
4. Rotational Motion
5. Gravitation
6. Thermodynamics
7. Waves and Oscillations
8. Electrostatics
9. Current Electricity
10. Magnetism
11. Electromagnetic Induction and Alternating Currents
12. Optics
13. Modern Physics

## **Chemistry**

1. Atomic Structure
2. Chemical Bonding and Molecular Structure
3. Thermodynamics
4. Equilibrium
5. Redox Reactions
6. Chemical Kinetics
7. Coordination Compounds
8. Organic Chemistry: Basic Principles
9. Hydrocarbons
10. Alcohols, Phenols, and Ethers
11. Biomolecules and Polymers
12. Electrochemistry
13. Surface Chemistry

## **Mathematics**

1. Sets, Relations, and Functions
2. Trigonometry
3. Matrices and Determinants
4. Limits, Continuity, and Differentiability

5. Integration and its Applications
6. Differential Equations
7. Coordinate Geometry
8. Vector Algebra
9. Probability and Statistics
10. Permutations and Combinations
11. Complex Numbers and Quadratic Equations
12. Sequence and Series