

## PHYSICS

1. Geometrical Optics
2. Electric Charges and Field
3. Electrostatic Potential
4. Capacitance
5. Current Electricity : Part 1
6. Current Electricity : Part 2
7. Magnetism : Part 1
8. Magnetism : Part 2
9. Electromagnetic Induction : Part 1
10. Electromagnetic Induction : Part 2
11. Wave Optics
12. Electromagnetic Waves and Dual Nature of Radiation and Matter
13. Modern Physics
14. Electronic Devices and Experimental Skills

## CHEMISTRY

1. Solid State
2. Solutions
3. Electrochemistry
4. Chemical Kinetics
5. Surface Chemistry and Colloidal State
6. Organic Compounds Containing Halogens
7. Alcohols, Phenols and Ethers
8. Aldehydes, Ketones and Carboxylic Acids
9. Organic Compounds Containing Nitrogen
10. General Principles and Processes of Isolation of Elements
11. p-Block Elements (Groups 15 - 18)
12. d- & f-Block Elements
13. Coordination Compounds
14. Biomolecules
15. Polymers
16. Chemistry in Everyday Life
17. Principles Related to Practical Chemistry

## MATHS

1. Matrices
2. Determinants
3. Relations and Functions
4. Inverse Trigonometric Functions
5. Limit
6. Continuity and Differentiability
7. Differentiation
8. Monotonicity, Maxima and Minima of Functions
9. Application of Derivatives
10. Indefinite Integration
11. Definite Integration
12. Area
13. Differential Equations
14. Probability
15. Vectors
16. Three-Dimensional Geometry
17. Complex Numbers