

Syllabus of COMEDK-UGET

Physics

1. Introduction
2. Electrostatics
3. Thermal and Chemical Effects of Currents
4. Description of Motion in One Dimension
5. Description of Motion in Two and Three directions.
6. Physical World and Measurement
7. Oscillations
8. Heat and Thermodynamics
9. Electromagnetic Induction and Alternating Currents

Chemistry

1. Chemistry of Representative Elements
2. Electrochemistry
3. Chemistry in Action
4. Biomolecules and Polymers
5. Coordination Chemistry and Organometallics
6. Nuclear Chemistry
7. Chemical Kinetics
8. Chemistry of Biological Process
9. Chemistry of Carbon Compounds
10. Transition Metals Including Lanthanides

Mathematics

1. Vector and Three Dimensional Geometry
2. Circles
3. Exponential and Logarithmic Series
4. Correlation and Regression
5. Definite Integral
6. Differential Calculus
7. Matrices and Determinants
8. Coordinate Geometry
9. Probability
10. Differential Equations
11. Integral Calculus

Biology

1. Genetics and Evolution
2. Ecology and Environment
3. Structural Organizations in Plants and Animals
4. Reproduction in Organism
5. Biology and Human Welfare
6. Diversity in Living World