

ENGLISH MEDIUM

Physics-Class 11

Marks: 180

Physical world and measurement
Kinematics
Laws of motion
Work, energy, and power
Motion of system of particles and rigid body
Gravitation
Properties of bulk matter
Thermodynamics
Behaviour of perfect gas and kinetic theory
Oscillations and waves

Physics-Class 12

Electrostatics
Current electricity
Magnetic effects of current and magnetism
Electromagnetic induction and alternating currents
Electromagnetic waves
Optics
Dual nature of matter and radiation
Atoms and nuclei
Electronic devices

Chemistry-Class 11

Marks: 180

Some basic concepts of chemistry
Structure of atom
Classification of elements and periodicity in properties
Chemical bonding and molecular structure
States of matter: gases and liquids
Thermodynamics
Equilibrium
Redox reactions
Hydrogen
S-block elements (alkali and alkaline earth metals)
Some p-block elements
Organic chemistry-some basic principles and techniques
Hydrocarbons
Environmental chemistry

Chemistry-Class 12

Solid state

Solutions

Electrochemistry

Chemical kinetics

Surface chemistry

General principles and processes of isolation of elements

P-block elements

D and f block elements

Coordination compounds

Haloalkanes and Haloarenes

Alcohols, phenols, and ethers

Aldehydes, ketones, and carboxylic acids

Organic compounds containing nitrogen

Biomolecules

Polymers

Chemistry in everyday life

Biology-Class 11

Marks: 360

Diversity in living world

Structural organization in animals and plants

Cell structure and function

Plant physiology

Human physiology

Biology-Class 12

Reproduction

Genetics and evolution

Biology and human welfare

Biotechnology and its applications

Ecology and environment