

Physics Unit Test Syllabus

Unit Test 1: Unit & Dimension, Error Analysis, Motion in one Dimension, Projectile Motion, Relative Motion, Newton's Laws of Motion and Friction

Unit Test 2: Circular Motion, Work Power Energy, Laws of Conservation

Unit Test 3: Rotational Motion, Simple Harmonic Motion, Wave on String, Sound Wave & Doppler effect, Fluid Mechanics

Unit Test 4: Electrostatics and Gauss's Law, Capacitance, Current Electricity, Electrical Instruments, Gravitation, Ray Optics, Wave Optics

Unit Test 5: Magnetic Field & Magnetism, Magnetic Material, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Properties of Matter, Calorimetry, Kinetic Theory of Gases, Thermodynamics, Thermal Expansion & Conduction, Radiation

Unit Test 6: Atomic Structure and Matter Waves, Photoelectric Effect, Nuclear Physics, Radioactivity, Electronics and Semiconductor Devices, Electronics and Semiconductor Devices

Chemistry Unit Test Syllabus

Unit Test 1: Atomic Structure, Atom, Molecule and Chemical Arithmetic, Oxidation and Reduction

Unit Test 2: Periodic Table, Chemical Equilibrium, Acid Bases Concept and Ionic Equilibrium, Chemical Thermodynamics & Energetics

Unit Test 3: Chemical Bonding, p Block Elements, Coordination Compound

Unit Test 4: D and F Block Elements, Metallurgy, s Block Elements, Hydrogen and its Compound, GOC 1

Unit Test 5: GOC 2, Alkane, Alkene, Alkyne, Aromatic Hydrocarbon, Halogen Compounds

Unit Test 6: Oxygen Compounds, Nitrogen Compounds, Biomolecules, Polymers, Chemistry in Every Day Life, Solid State, Surface Chemistry & Colloidal State, Solution, Colligative Properties & Volumetric Analysis, Chemical Kinetics, Electrochemistry

Biology Unit Test Syllabus

Unit Test 1: Cell : The Unit of Life, Cell Cycle & Cell Division, Anatomy of Flowering Plants, Biomolecules, Animal Kingdom, Animal Tissue, Lower Animal, Human Health & Diseases

Unit Test 2: The Living World, Biological Classification, Plant Kingdom, Microbes in Human Welfare, Digestion and Absorption, Breathing and Exchange of Gases, Body Fluids & Circulation, Excretory Product & Their Elimination, Locomotion & movement

Unit Test 3: Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Strategies for Enhancement in food Production, Morphology of Flowering Plants, Neural Control & Coordination, Chemical Control & Integration, Human Reproduction, Reproductive Health, Origin and Evolution

Unit Test 4: Organism and population, Ecosystem, Biodiversity & Conservation, Environmental Issues

Unit Test 5: Transport in Plants, Mineral Nutrition, Enzymes, Photosynthesis in Higher Plants, Respiration in Plants, Plant Growth and Development

Unit Test 6: Principle of Inheritance and Variation, Molecular Basis of Inheritance, Biotechnology Principle & Process