

SYLLABUS for BANSAL OPEN OPPORTUNITY & SCHOLARSHIP TEST (BOOST)

From Class 12th to 13th Moving (Sterling) Medical

Current Class	Physics	Chemistry	Botany	Zoology
XII/XII Pass Medical	Physical World, Units and Measurement, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work Energy and Power, System of Particles, Rotational Motion, Fluid Mechanics & Elasticity, Thermal Physics (Calorimetry, Thermal Expansion, Heat Transfer, Kinetic theory of gaseous, Thermodynamics), Simple Harmonic Motion, Mechanical Wave, Electric Charges and Fields Electrostatic Potential and Capacitance, Current Electricity, Moving charges & Magnetism, Magnetism And matter, Electromagnetic Induction and Alternate Current, Ray Optics and Optical Instruments, Electromagnetic Waves, Wave Optics.	General Chemistry, Some Basic Concepts of Chemistry (Mole concept), States of Matter (Gaseous state), Structure of Atom, Equilibrium, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Nomenclature of organic compound, General Organic Chemistry (GOC), Isomerism (Structural) Surface chemistry, Chemical Kinetics, Thermodynamics, Thermochemistry, Liquid Solutions, Ionic Equilibrium, Electrochemistry, Solid State, Radioactivity Coordination compounds, P-Block elements, General Principles and Processes of Isolation of Elements (Metallurgy), Stereoisomerism, Grignard reagent, Halogen Derivatives, Alcohols, Phenols and Ethers, Oxidation Reduction, Hydrocarbon (Alkane, Alkene & Alkyne),	Living World, Biological Classification, Plant Kingdom, Morphology of Flowering Plant, Anatomy of Flowering Plant, Cell: The Unit of Life, Cell cycle & Cell division, Transport in Plant, Mineral Nutrition, Photosynthesis in higher plants, Respiration in plants, Plant Growth and development Reproduction in organism, Sexual reproduction in flowering plants, Principles of inheritance and variation, Molecular basis of inheritance, microbes in Human welfare, organism and populations, ecosystem, biodiversity and conservation, environmental issues	Animal Kingdom Structural Organization in Animal, Bio Molecules, Digestion & Absorption. Breathing & Exchange of gases, Body Fluid & circulation, Excretory product and their elimination, Locomotion and movement, Neural control and coordination, chemical coordination and integration Human reproduction, reproductive health, evolution, human health and disease, biotechnology, Strategies for enhancement in food production, Biotechnology-I, Biotechnology-II