

NAME OF THE POST - (TGT SCIENCE NON MEDICAL)

Physics: Mechanics ,Vibration waves and Electromagnetic theory, Electricity and Magnetism ,Heat and Thermodynamics ,Ray optics and Wave optics, Quantum physics ,Electronics and Solid state, Nuclear physics and particle physics.

Chemistry: Atomic structure Chemical bonding , Periodic table and Atomic properties , Chemistry of coordination compounds , Acids and bases , Oxidation and reduction , Thermodynamics and kinetic aspects of metal complexes, Non aqueous solvents , Metal ligand bonding in transition metal complexes, Bio inorganic chemistry , Silicones ,Phosphazenes

Carbon and its derivatives -structure and bonding , Mechanism of organic reactions, Hydrocarbons ,Stereochemistry of organic compounds ,Fats, Oils and detergents , Organic compounds of nitrogen , Heterocyclic compounds ,Carbohydrates, Amino acids ,Peptides, Proteins and nucleic acids, Synthetic polymers.

Solid liquid and gaseous states, Chemical kinetics ,Thermo chemistry , Chemical thermodynamics , Chemical Equilibrium , Distribution law ,Electrochemistry , Quantum mechanics , Spectroscopy , Photochemistry, Solutions ,Dilute solution and Colligative properties, Phase Equilibrium, Colloidal State , Electrochemical cells.

Mathematics- Number system , Mensuration ,Geometry , coordinate Geometry , Statistics ,Probability, Trigonometry ,Matrices sets and function ,Algebra ,Relations and functions , Mathematical reasoning ,Trigonometric functions, Calculus, Vectors and Three dimensional Geometry , Linear programming.