

TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD

ACADEMIC YEAR 2020-2021

30% DELETED CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 2nd YEAR CHEMISTRY SYLLABUS

Chapter 1 SOLID STATE 1.11 Electrical properties 1.12 Magnetic properties(Band theory of metals, conductors, semiconductors and insulators and n and p type semiconductors)
Chapter 2 SOLUTIONS 2.7 Abnormal molar masses-van't Hoff factor.
Chapter 3 ELECTROCHEMISTRY AND CHEMICAL KINETICS ELECTROCHEMISTRY 3.1 Electrochemical cells 3.2 Galvanic cells 3.5 Electrolytic cells and 3.6 Batteries: primary and secondary batteries 3.7 Fuel cells 3.8 Corrosion of metals-Hydrogen economy 3.14 Collision theory of chemical reaction rates.
Chapter 4 SURFACE CHEMISTRY 4.5 Emulsions – types of emulsions, catalysis, homogenous and heterogenous, activity and selectivity of solid catalysis, enzyme catalysis.
Chapter 5 GENERAL PRINCIPLES OF METALLURGY <i>Entire chapter deleted</i>
Chapter 6 p-BLOCK ELEMENTS GROUP-15 ELEMENTS 6.7 Phosphine-preparation and properties 6.8 Phosphorous halides 6.9 Oxoacids of phosphorous 6.17 Sulphuric acid-industrial process of manufacture.
Chapter 7 d AND f BLOCK ELEMENTS & COORDINATION COMPOUNDS 7.4 Some important compounds of transition elements 7.5 Inner transition elements 7.6 Actinoids 7.7 Some applications of d and f block elements and Coordination Compounds (preparation and properties of $KMnO_4$ and $K_2Cr_2O_7$, structure and stereoisomerism of coordination compounds, extraction of metals and biological system)
Chapter 8 POLYMERS <i>Entire chapter deleted</i>
Chapter 9 BIOMOLECULES: oligosaccharides (sucrose, lactose, maltose), poly saccharides(starch, cellulose, glycogen), importance of carbohydrates) 9.3 Enzymes: Enzymes, mechanism of enzyme action 9.4 Vitamins 9.6 Hormones.
Chapter 10 CHEMISTRY IN EVERYDAY LIFE : <i>Entire chapter deleted</i>
Chapter 11 HALO ALKANES AND HALO ARENES 11.6 Polyhalogen compounds.
Chapter 12 ORGANIC COMPOUNDS CONTAINING C,H AND O 12.7 Commercially important alcohols (uses with special reference to methanol and ethanol)
Chapter 13 ORGANIC COMPOUNDS CONTAINING NITROGEN II.Diazonium salts 13.7 Methods of preparation of diazonium salts 13.8 Physical properties 13.9 Chemical reactions 13.10 Importance of diazonium salts in synthesis of aromatic compounds III.Cyanides and Isocyanides 13.11 Structure and nomenclature of cyanides and isocyanides 13.12 Preparation, physical properties and chemical reactions of cyanides and isocyanides.