

Class 12 Chemistry Deleted Syllabus

Term - 1

Unit I: Solid State

Band theory of metals, conductors, semiconductors and insulators and *n* and *p* type semiconductors.

Unit II: Solutions

abnormal molecular mass, Van't Hoff factor.

Unit VI: General Principles and Processes of Isolation of Elements

Entire Chapter

Unit VII:p-Block Elements

Group -15 Elements: Oxides of Nitrogen (Structure only); Phosphorus - allotropic forms, compounds of Phosphorus: Preparation and properties of Phosphine, Halides and Oxoacids (elementary idea only).

Group 16 Elements: Sulphuric Acid: industrial process of manufacture

Unit X: Haloalkanes and Haloarenes

Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.

Unit XI: Alcohols, Phenols and Ethers

Alcohols: uses with special reference to methanol and ethanol.

Unit XIV: Biomolecules

Carbohydrates - oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates.

Proteins - enzymes. Hormones - Elementary idea excluding structure.

Vitamins - Classification and functions.

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Term- 2

Unit III: Electrochemistry

dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.

Unit IV: Chemical Kinetics

concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.

Unit V: Surface Chemistry

catalysis: homogenous and heterogenous, activity and selectivity of solid catalysts; enzyme catalysis, emulsion - types of emulsions.

Unit VIII: d and f Block Elements

preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$.

Lanthanoids - chemical reactivity

Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.

Unit IX: Coordination Compounds

Coordination compounds - structure and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).

Unit XII: Aldehydes, Ketones and Carboxylic Acids

No Deletion

Unit XIII: Amines

Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.

Unit XV: Polymers

Entire Chapter

Unit XVI: Chemistry in Everyday life

Entire Chapter

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