	Chemistry
	SYLLABUS: Class-XI & XII Unit -1 Atomic Structure
Contents	CONCEPT
Introduction to Structure of Atom	Dalton's atomic theory
Atomic models	Thomson model
	Rutherford model
	Bohr model
	Dual behavior of Matter
	Concept of orbitals Heisenberg's
Quantum Mechanical Model	uncertainty principle
	Quantum numbers
Shapes of Atomic Orbitals	Shape of s, p and d orbitals
	Node and nodal surface
	Shielding effect
Rules for Filling Electrons in Orbitals	Aufbau principle
	Pauli's exclusion principle
	Hund's rule Electronic configuration of atoms
Stability of Completely Filled and half-filled Orbitals	
han-inted Orbitals	Unit-2 Chemical Bonding
Types of Chemical	Ionic bond
Bonds	Covalent bond
50103	Polar covalent bond
	Hybridization
Valence Bond Theory	VSEPR theory
	Resonance
Molecular Orbital Theory	Magnetic characteristics
	Bond order
Hydrogen Bond	Intermolecular hydrogen bonding
	Intramolecular hydrogen bonding Unit-3 States of Matter: Gases and Liquids
	Types of intermolecular forces
Intermolecular Forces	Nature of intermolecular forces
	Boyle's law
Leure Courseine Cooreaux State	Charles law
Laws Governing Gaseous State	Gay-lussac
	Avogadro law
	Ideal gas equation
Ideal Behaviour	Dalton's law of partial pressure
	Kinetic theory of gases pressure
Deviation from Ideal Behaviour	Compressibility factor
Liquefaction of Gases	Boyle's Temperature Critical temperature, critical pressure and critical volume
Eigheiaction of Gases	Vapour pressure
Liquid State	Viscosity
	Surface tension
	Unit-4 Thermodynamics
Thermodynamic Terms	Concepts of :
	system, surrounding
	types of system
	state of a system
	state function and path function
	extensive and intensive properties
	reversible and irreversible process
Thermodynamic Quantities	Work Heat
First Law of Thermodynamics	Internal Energy
	Enthalpy
	Heat capacity
	Measurement of 4
	Measurement of 4
Thermochemistry	Enthalpy change in a chemical reaction
	Endothermic and
	Exothermic reactions
	Standard enthalpy of reactions
	Enthalpy changes during phase transformations
	Standard enthalpy of formation
	Thermochemical equations Hess's Law of Constant Heat Summation
	Enthalpies for different types of reactions
	Entropy
Constanting	Second law of Thermodynamics
Spontaneity	Gibb's energy change for spontaneous and non-spontaneous processes
	Criteria for equilibrium
Third Law of Thermodynamics	
Thru Law of Thermouynamics	

Unit-5 Chemical Equilibrium		
Introduction to Equilibrium	Dynamic nature of equilibrium	
	Solid - liquid equilibrium	
Equilibrium in Physical Processes	Liquid - vapour equilibrium	
	Solid vapour equilibrium Equilibrium involving dissolution of solid and gases in liquids	
	Dynamic nature of chemical equilibrium	
Equilibrium in Chemical Processes	law of chemical equilibrium Equilibrium constant	
Types of Chemical Equilibria	Homogenous Equilibria	
Types of Chemical Equilibria	Heterogeneous Equilibria	
Applications of Equilibrium Constant	Predicting the extent of a reaction Predicting the direction of the reaction	
	Calculating Equilibrium Concentrations	
Factors Affecting Equilibria	Le Chatelier's principle Strong and weak electrolytes	
Ionic Equilibrium in Solution	Acids, bases and salts	
Ionization of Acids and Bases	Ionic product of Water pH scale	
	Ionization constant of weak acids and bases	
	Factors affecting acid strength Common ion effect	
Buffer Solutions	Buffer action and relevant examples	
Solubility Equilibria of Sparingly Soluble Salts	Solubility product	
	Common ion effect of solubility of ionic salts Unit -6 Solid State	
Introduction to Solid State	Characteristics of Solid State	
Chemistry Classification of Solids on the Basis		
of Order in the Arrangement	Crystalline and amorphous Solids	
Crystal Lattices and Unit Cells	Primitive and Centred Unit Cells Number of atoms in per unit Cell in a cubic unit cell	
	Packing in Solids	
Close Packing in solids	Voids Packing Efficiency	
	Calculation of Density of unit cell	
	Types of Point Defects Stoichiometric and Non-Stoichiometric Defects	
Imperfections in Solids	Metal Excess Defect	
	Metal Deficiency Defect Impurity Defects	
	Conductors, semiconductors and insulators	
Electrical Properties	Band theory of solids	
	n & p type semiconductors Paramagnetic	
Manager and Annual State	Diamagnetic	
Magnetic Properties	Ferromagnetic Antiferromagnetic	
	Ferrimagnetic	
Unit-7 Solutions Solute		
Introduction to solutions		
The ourceon to solutions	Solvent	
	Solution	
Types of Solutions	Solution Gaseous Solutions Liquid Solutions	
	Solution Gaseous Solutions Liquid Solutions Solid solutions	
Types of Solutions Expressing the Concentration of	Solution Gaseous Solutions Liquid Solutions	
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Types of Solutions Expressing the Concentration of Solutions of Solids in Liquids Solubility Vapou r Pressure of Liquid Solutions Classification of Liquid-Liquid Solutions on the basis of Raoult's Law Colligative Properties Abnormal Molecular Mass Oxidation and Reduction Reactions Redox Reactions in Terms of Electron Transfer Reactions Oxidation Number Types of Redox Reactions Balancing of Redox Reactions	Solution Gaseous Solutions Liquid Solutions Solid solutions Various quantities used to express concentration of a solution Mole Fraction Mole Fraction Molarity Mole Article Solubility of gas in liquid Solubility of gas in liquid Henry's Law Solution of two volatile liquids Solutions Non Ideal solutions Positive deviation Regative deviation Regative deviation Regative deviation Depression of freezing point Osmotic pressure Determination of molecular masses using colligative properties van't Hoff Factor – Numericals based on the above Unit-8 Redox reactions and Electrochemistry Mechanism of redox reactions and Electrochemistry Oxidation number Oxidation number Oxidation number Oxidation number Calculation number Oxidation number Determination of method Half reaction Method Electrolitic cells Galvanic cells Electrolitic cells Sian conventions at anode and cathode	
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Types of Solutions Expressing the Concentration of Solutions of Solids in Liquids Solubility Vapou r Pressure of Liquid Solutions Classification of Liquid-Liquid Solutions on the basis of Raoult's Law Colligative Properties Abnormal Molecular Mass Oxidation and Reduction Reactions Redox Reactions in Terms of Electron Transfer Reactions Balancing of Redox Reactions Electrolysis Electrolysis	Solution Gaseous Solutions Liquid Solutions Liquid Solutions Solid solutions Various quantities used to express concentration of a solution Mole Fraction Molerraction Molerraction Molarity Molaity Solubility of solid in liquid Solubility of qas in liquid Henry's Law Solubility of qas in liquid Solubility of qas in liquid Lease and the solution Non f two volatile liquids Solutions Non Ideal solutions Non Ideal solutions Negative deviation Relative lowering of vapour pressure Elevation of bolling point Depression of freezing point Osmotic pressure Unit-8 Redox reactions and Electrochemistry Mechanism of redox reactions by electron transfer process Evolution of widen umber Coxidation number Coxidation number Method Electrolytic cells Galvanic cells Electrode Sign conventions at anode and cathode Laws of electrolytes Variation of conductivity with concentration	
Types of Solutions Expressing the Concentration of Solutions of Solids in Liquids Solubility Vapou r Pressure of Liquid Solutions Classification of Liquid-Liquid Solutions on the basis of Raoult's Law Colligative Properties Abnormal Molecular Mass Oxidation and Reduction Reactions Redox Reactions in Terms of Electron Transfer Reactions Balancing of Redox Reactions Electrolysis Electrolysis	Solution Gaseous Solutions Liquid Solutions Uarlous, Quantities used to express concentration of a solution Molarity Molarity Molarity Molarity Solubility of solid in liquid Solubility of solid in liquid Solubility of gas in liquid Henry's Law Solubility of gas in liquid Solubility of gas in liquid Solubility of gas in liquid Henry's Law Solution containing non-volatile solute Raoult's Law Ideal solutions Non Ideal solutions Non Ideal solutions Non Ideal solution Nogative deviation Relative lowering of vapour pressure Elevation of freezing point Depression of freezing point Determination of molecular masses using colligative properties van't Hoff Factor - Numericals based on the above Unit-8 Redox reactions by electron transfer process Evolution of the electrochemical series. Calculation of oxidation number Oxidation number Method Eleatoin Method Electrolytic cells Galvanic cells Electrode Sin conventions at anode and cathode Laws of electrolytic conductance Types of electrolytic solut Neithig Relative Sin Solution Neithig Relative View Conductance Neistance Molar conductivity with concentration Kohrausch's law	
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	Unit-9 s- Block & p-Block Elements and metallurgy Electronic configuration
S-Block Elements Group 1 Elements & Group 2 Elements	Physical Properties
	Chemical properties
	Position of hydrogen in the periodic table Diagonal relationship
	Biological importance
	Water and hydrogen peroxide
	Some Alkali metal compounds
	Some Alkaline earth metal compounds Electronic configuration
P-Block Elements Group 13, 14, 15, 16, 17 and 18 Elements	Occurrence Inert pair effect Reactivity
10, 17 and 18 clements	Some compounds of Group 13 to 18 elements
	Unit-10 d and f - Block Elements and Coordination Compounds General properties of 3d elements.
	Electronic configuration
d-Block elements	Variable valency concept Color
d-block elements	Magnetic properties
	Catalytic properties
	Compounds Electronic configuration
F-Block Elements	Oxidation states
<u> </u>	Lanthanide contraction
Coordination Compounds	General composition Coordination number
	Types of ligands
	Werner theory
IUPAC Nomenclature of Coordination	IUPAC rules
Compounds Valence Bond Theory as Applied to	Valence bond theory
Coordination Compounds	Crystal field theory
Importance of Coordination	Analytical applications
Compounds	Industrial applications
	Biological applications Unit-11 Surface Chemistry
	Physisorption
Adsorption on a Surface	Chemisorption
	Factors affecting the adsorption of gases on solids
Catalysis	Homogenous and heterogeneous catalysis Shape selective catalysis
	Enzyme catalysis
	Distinction between true solution, colloid and suspension
Colloids	Classification of colloids
Colloids	Properties of colloids: Mechanical, Optical, Electrical Hardy-Schulze rule
	application of colloids
	Unit-12 Chemical Kinetics
Rate of Chemical Reaction	Average rate of reaction
	Instantaneous rate of reaction Concentration of reactants, temperature, catalyst, nature of reactants, pressure (gases), presence of light,
Easters Affecting Rate of a Reaction	surface area of the reactants
Factors Affecting Rate of a Reaction	Rate Law and Specific Rate Constant
	Order And Molecularity
Integrated Rate Equations and Half	Zero order reactions First order reactions
life	Pseudo First order reaction
Temperature Dependence of Rate of	Activation
Reaction	Energy Arrhenius Equation
Collision Theory	
	Unit-13 Hydrocarbons, Haloalkanes and Haloarenes
The second state of the second s	Types of hybridization in carbon compounds
Types of Hybridization of Carbon	Shapes of organic molecules 2D and 3D structural representation of organic compounds
Classification of Organic Compounds	based on functional groups
Classification of Organic Compounds	based on structure
IUPAC Nomenclature of Organic	Priority order of functional groups
Compounds	Prefixes and suffixes for functional groups Derivation of structural formula from a given IUPAC name and vice-versa
	Structural isomerism
	Stereochemistry and stereoisomerism
	Projection formulae Interconversion of projection formulas
Stereochemistry and Isomerism	Interconversion of projection formulas Conformations and their relative stabilities (ethane and butane)
	Geometrical isomerism (cis and trans)
	Optical isomerism
	Absolute and relative nomenclature of optical isomers
Homolytic and Heterolytic Fission of	carbocation carbanion
a Covalant Read	
a Covalent Bond	free radical
a Covalent Bond Basics of Organic Reaction	Electrophilic and nucleophilic reagents
	Electrophilic and nucleophilic reagents Types of organic reactions
	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect
Basics of Organic Reaction	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance
Basics of Organic Reaction Electronic Displacements in a	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation
Basics of Organic Reaction Electronic Displacements in a	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds
Basics of Organic Reaction Electronic Displacements in a Covalent Bond	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule
Basics of Organic Reaction Electronic Displacements in a Covalent Bond	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability. of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis)
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability. of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati
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Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation)
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability. of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation)
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance Nyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization)
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance Nyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H20, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties Chemical reactions (Addition of H2, X2, HX, and H20 and polymerization) Nomenclature, resonance and stability of benzene, orientation effect of substituents in benzene, preparation physical and chemical properties of benzene
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization) Methods of neoparation (Hydrolysis of benzene Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization) Structure, resonance and stability of benzene, orientation effect of substituents in benzene, preparation physical and chemical properties of benzene
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms)	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2Q, ozonolysis, oxidation and polymerization Methods of preparation (Hydrohysis of calcium carbide, dehydrohalo-genation) Physical properties Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization) Methods of preparation (Addition of H2, X2, HX, and H2O and polymerization) Nomenclature, resonance and stability of benzene, orientation effect of substituents in benzene, preparation physical and chemical properties of benzene Structure Classification Structure of 1 ^o , 2 ^o and 3 ^o haloalkanes and haloarenes
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms) Arenes	Electrophilic and nucleophilic reagents Types of organic reactions inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization) Methods of neoparation (Hydrolysis of benzene Chemical reactions (Addition of H2, X2, HX, and H2O and polymerization) Structure, resonance and stability of benzene, orientation effect of substituents in benzene, preparation physical and chemical properties of benzene
Basics of Organic Reaction Electronic Displacements in a Covalent Bond Aromaticity Alkanes (Upto 5 Carbon Atoms) Alkenes (Upto 5 Carbon Atoms) Alkynes (Upto 5 Carbon Atoms) Arenes	Electrophilic and nucleophilic reagents Types of organic reactions Inductive effect electromeric effect resonance hyperconjugation Stability of aromatic compounds Huckel's rule Methods of preparation (Reduction, Wurtz reaction, Kolbe's electrolysis) Physical properties Chemical reactions (Halogenation, Isomerisation, Oxidation, Aromatization, Combustion, Pyrolysis) Methods of preparation (Partial reduction, dehydrohalogenati on, dehydration, dehalogenation) Physical properties Chemical reactions (Addition of H2, X2, Markovnikov's and anti-Markovnikov's rule) Addition of HX, and H2O, ozonolysis, oxidation and polymerization Methods of preparation (Hydrolysis of calcium carbide, dehydrohalo- genation) Physical properties Chemical reactions (Addition of H2, X2, MX, and H2O and polymerization) Nomenclature, resonance and stability of benzene, orientation effect of substituents in benzene, preparation physical and chemical properties of benzene Structure Classification Structure of 1°, 2° and 3° haloalkanes and haloarenes Nomenclature

	Unit-14 Oxygen containing Organic compounds
Structure	Structure of alcohols, phenols and ethers
	Classification
Preparation of Alcohols and Phenols	Preparation of alcohols (hydration of alkenes, hydroboration- oxidation, reduction of carbonyl compounds,
	from Grignard's reagent)
	Preparation of Phenols (from chlorobenzene, benzene and cumene)
	Physical Properties of Alcohols, Phenols and Ethers
Proportion of Alcohola, Bhanala, and	
Properties of Alcohols, Phenols and Ethers	Chemical Properties of Alcohols (with metals, esterification, esterification, with HX, dehydration)
	Chemical Properties of Phenols (halogenation, nitration and sulphonation, Kolbes Reimer - Tiemann,
	deoxygenation and oxidation)
	Preparation from alcohols
Preparation of Ethers & chemical Properties	Williamsons ether synthesis
	Ether cleavage by HX
	halogenation, nitration and Friedel crafts reaction
Structure of Aldehydes, Ketones and	
Carboxylic Acids	
	From alcohols
	From alkenes
	From alkynes
Preparation of Aldehydes and	From aromatic hydrocarbons
Ketones	Gattermann-Koch
	From acid chlorides
	From nitriles
	Physical Properties of aldehydes and ketones
Physical, Chemical Properties and	Chemical Properties of Aldehydes and Ketones (nucleophilic addition reactions, nucleophilic addition-
Uses of Aldehydes and Ketones	elimination reactions, reduction, oxidation, Aldol condensation, Cannizzarro reaction, electrophiclic
uses of Algenyges and Relones	substitution in aromatic aldehydes)
	Structure of carboxylic acid
	Preparation of carboxylic acids (by oxidation, hydrolysis, from Grignard reagents)
Carboxylic acids	Physical properties of carboxylic acids
	Chemical properties of carboxylic acids
Chrysettere	Unit-15 Nitrogen containing Organic compounds
Structure	
Preparation of Amines	By reduction of nitro compounds, nitriles and amides
Diversional and Channing Diversity of	Ammonolysis of alkyl halides
Physical and Chemical Properties of	Physical Properties of Amines
Amines	Chemical Properties of Amines
	Nomenclature
	Structure
	Methods of
Diazonium Salts	Preparation
	Physical properties
	Chemical Properties
	Structure and importance of azodyes and examples
	Unit-16 Bio-Molecules and Polymers
	Carbohydrates
Biomolecules Polymers	Amino acids and proteins
	Nucleic acids
	Vitamins
	Classification
	Methods of polymerization
	Preparation of Some polymers
	Unit-17 Chemistry in everyday life
	antacids, antihistamines, tranquilizers, analgesics, antimicrobials (antibiotics, antiseptics and
	disinfectants), antifertility drugs and chemotherapy
Chemicals in Medicines, Food and	food additives, artificial sweetening agents, preservatives and antioxidants
Hygiene (Soaps and Detergents)	saponification, Soaps & cleansing property
	detergents and bio-degradable detergents
	Unit-18 Environmental Chemistry
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For deserves askal	
Environmental	Environmental pollution
Environmental Pollution	Conservation of natural resources
Pollution	Conservation of natural resources Types of water pollutants
Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution
Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD
Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD Industrial and agricultural
	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD
Pollution Water Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD Industrial and agricultural
Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD Industrial and agricultural chemicals that
Pollution Water Pollution	Conservation of natural resources Types of water pollutants Treatment of water pollution BOD Industrial and agricultural chemicals that cause environmental degradation