

## LEARNING PLAN OUTCOMES(2020-2021)

STD XII SCIENCE			LEARNING OUTCOMES		
S.No.	MONTHS	NAME OF CHAPTER			
1	April	SOLUTIONS	Describe the formation of different types of solutions		
			Distinguish between ideal and non-ideal solutions		
			Explain deviations of real solutions from Rault's Law		
				ELECTOCHEMISTRY	Describe colligative properties of solutions and correlate these with molar masses of the solutes
					Describe an electrochemical cell and differentiate between galvanic and electrolytic cell
					Describe the methods for measurement of conductivity of electrolytic solutions
					Enunciate Kohlrausch law and learn its applications
			Explain corrosion as an electrochemical process		
2	May	SOLID STATE	Classify crystalline solids on the basis of nature of binding forces		
			Describe different types of voids and close packed structures		
			Correlate the density of a substance with its unit cell properties		
				CHEMICAL KINETICS	Describe the imperfections in solids and their effect on properties
					Express the rate of a reaction in terms of change in concentration of either of the reactants or products with time
					Discuss the dependence of rate of reactants on concentration, temperature and catalysts
					Determine the rate constants for zeroth and first order reactions
3	JULY	SURFACE CHEMISTRY	Define adsorption and classify it into physical and chemical adsorption		
			Explain the factors controlling adsorption from gases and solutions on solids		
			Explain adsorption results on the basis of Freundlich adsorption isotherms		
				p-Block	Describe the preparation, property and uses of dioxygen and ozone and chemistry of simple oxides
					Describe the preparation, property and uses of chlorine and HCl
					Appreciate the importance of these elements and their compounds in our day to day life
4	August	d- AND f-BLOCK ELEMENTS	Understand the general characteristic of the d- and f-block elements and the general horizontal and group trends in them		
			Describe the preparation, property, structures and uses of some important compounds		
			Describe the properties of f-block elements		
				CO-ORDINATION CHEMISTRY	Learn the rules of nomenclature of co-ordination compounds
					Define different types of isomerism in co-ordination compounds
					Know the meaning of terms co-ordination entity, central atom/ion, ligand, co-ordination number, co-ordination sphere, etc.

















































































































