

Academic Planner of Class--XII (2017--18) Chemistry

Date/ Day	Content	Modes of Assessment	CW and HW	Lab activity/ Revision
April(1--15)	Organic Chemistry	Class test from SN1 and SN2 reactions	1 Assignment based on SN1 and SN2 reaction.	
8 Days	Ch- Haloalkenes and haloarenes		2 NCERT que. Based on conceptual part.	
	Classification, preparation, properties, nomenclature.	Class test from preparation, properties.		
(16--30)	Haloalkenes and Haloarenes	1 MCQ	Class Work	Qualitative Analysis
12 Days	Some important chemical compounds.		1 Ex. Question Discussion	
	Alcohol, phenols and ethers		2 Intext problems and example	Acidic and Basic radical
	Classification, nomenclature, Preparation, Properties, mechanism	2 Class Test from alcohols and phenols.	Home Work	
	Ethers--Preparation and properties(physical and chemical)		Assignment based on conversion and reasoning based questions	
May(1--15)	Aldehydes and Ketones	class test from all name reactions	CW	
9 Days	Nomenclature, preparation, properties(physical and chemical)		1 Practice of simple conversion reactions	Qualitative Analysis
	General mechanisms, Name reactions, Some important chemical compounds.	Test from conversion reactions.	HW	Acidic and Basic radical
	Carboxylic acids--Nomenclature, preparation, properties(physical and chemical) applications.		Assignment based on conversions and IUPAC nomenclature.	
	Compounds containing nitrogen-- nomenclature, classification, preparation, properties(physical and chemical) , Diazonium salts and their reactions.	1) Test from conversions and reasoning based questions	Intext Problems and Solved examples discussion.	
July (1--15)	Recapitulation of Concentration of solution.			
12 Days	Physical Chemistry Ch-2 Solution		HW	
	Concentration of solution, Henry's Law and its applications	Test from Ideal and non ideal solutions.	Assignment based on numericals and concept based problems.	Qualitative Analysis
	Raoult's law, Ideal and Non ideal solutions, Colligative properties, numericals based on colligative properties, Van't Hoff factor		CW	Acidic and Basic radical
	Ch--3 Electrochemistry	1) MCQ from colligative properties.	Practice of numericals and Nernst equation.	
	Galvanic cell, Nernst equation, Conductivity and Molar conductivity		HW	
(16--31)	Electrochemistry--Electrolysis, Batteries, Corrosion.	2) Test from cell and Nernst equation.	Assignment based on cell and Nernst equation.	
13 Days	Ch--4 Chemical Kinetics		HW	
	Rate of reaction, Rate constant, order and molecularity of reaction, half life, Arrhenius equation. Collision theory.	Class test from order of reaction, Arrhenius equation.	Assignment based on numericals from kinetics and electrochemistry	Salt Analysis
	Ch- 5 Surface Chemistry			
	Adsorption, absorption, Catalyst, Catalysis, Enzyme catalysis, Colloids (preparation and classification), Purification of colloids, Emulsions	Group discussion	Assignment based on questions from surface chemistry (reasoning based)	Salt Analysis
August(1-15)	Ch-6 Principles and process of extraction of elements			
10 Days	Extraction of elements, Oxidation and Reduction reactions, electrolytic method and refining of metals, principles of extraction of aluminium, iron, copper and zinc.	MCQ from Extraction of elements	NCERT ques. from Ellingham diagram and refining of metals.	
	p-block elements			Quantitative Analysis
		Group Discussion	CW	
	15-gp. Elements--General trends in properties, nitrogen, ammonia, oxides of nitrogen, oxoacids of phosphorus, phosphorus halides.		Intext problem and example discussion	Redox titration
August(16-31)	16-gp. Elements--Oxygen, ozone, oxides, allotropic forms of sulphur, sulphur dioxide, sulphur trioxide, sulphuric acid.	QAXP(Wipro technique)	Assignment based on conceptual questions.	

