Annual & Weekly Syllabus Split-Up - 2025-26

Class- XII Subject-Chemistry

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Resources	Activity	Mid April Test	Periodic Test 1	Pre Mid Term	Mid Term	Preboard-1	Preboard-2	Practice Test-1	Preboard-3
			Week 1	5	Solution Electrochemistry	Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions,specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea),	NCERT, Senses Board, You Tube videos,	Titration								
1	APRIL	23	Week 2	5		solid solutions, Raoult's law, ypes of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure,Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, Numericals based on solution elevation of boiling point, depression of freezing point, osmotic pressure, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.	NCERT, Senses Board,You Tube videos	to find the Molarity and strength of Potasssium permanganate	√							
			Week 3	4	Chemical kinetics	Dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion	NCERT, Senses Board,									
			Week 4	6		Numerical Based on Nearst Equation.Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity	NCERT, Senses Board,	to find the Molarity and strength of Potasssium permanganate								
			Week 5	3		rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.										
			Week 1	0												
			Week 2	6	d and f block elements	General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals	NCERT, Senses Board, bar magnet	to find the Molarityand strength of Potasssium permanganate								
2	JUNE	19	Week 3	6		metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties,Lanthanoids - Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences.	NCERT, Senses Board,									
			Week 4	6	d and f block	Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.	NCERT, Senses Board,									
			Week 5	1		Exercise Questions	NCERT, Senses Board,			√						
			Week 1	5	coordination compounds	1. Werner's Theory of Coordination Compounds 2. Definitions of Some Important Terms Pertaining to Coordination Compounds 3. Nomenclature of Coordination Compounds.	NCERT, Senses Board,	Notes Preperation		√						
			Week 2	6		4. Isomerism in Coordination Compounds 5. Bonding in Coordination Compounds 6. Bonding in Metal Carbonyls 7. Importance and Applications of Coordination Compounds	NCERT, Senses Board	To find the Molarityand strength of Potasssium permanganate with oxalic acid								

3	JULY	27	Week 3	6	Halo alkanes and Halo arenes	Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions.	NCERT, Senses Board	Notes Preperation									
			Week 4	6	Alcohol Phenols and Ethers	Haloarenes: Nature of C–X bond, substitution reactions (Directive influence of halogen in Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution	NCERT, Senses Board	Salt analysis of inorganic salts									
			Week 5	4		Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only),Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophillic substitution reactions, uses of phenols	NCERT, Senses Board										
4	AUGUST	23	Week 1	2	Aldehyde Ketones and acids	Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.	NCERT, Senses Board, You Tube videos	Notes Preperation			√						
			Week 2	5		preparation, physical and chemical properties; uses.Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation	NCERT, Senses Board,	Notes Preperation			√						
			Week 3	5	Aldehyde Ketones and acids/Amines	Ketones Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.	NCERT, Senses Board,	Detection of Functional group from unknown organic compounds									
			Week 4	6		Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties	NCERT, Senses Board,	Detection of Functional group from unknown organic compounds									
			Week 5	5	Revision	Revision	NCERT, Senses Board,										
5	SEPTEMBER	25	Week 1	5	Term 1							√					
			Week 2	6	Term 1							√					
			Week 3	6	Amines/ Biomolecules	uses, identification of primary, secondary and tertiary amines. Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.	NCERT, Senses Board,										
			Week 4	6	Biomolecules	Carbohydrates Proteins Enzymes Vitamins	NCERT, Senses Board,	Notes Preperation									
			Week 5	2	Biomolecules	Nucleic Acids Hormones	NCERT, Senses Board, You Tube videos										
6	OCTOBER	13	Week 1	3		Intrinsic and extrinsic semiconductors- p and n type, p-n junction		Notes Preperation									
			Week 2	6		Semiconductor diode - I-V characteristics in forward and reverse bias,	NCERT, Senses Board,										
			Week 3	4		Revision	NCERT, Senses Board,	Notes Preperation									
			Week 4	0													
			Week 5	0													
7	NOVEMBER	23	Week 1	0													
			Week 2	5	PB-1		NCERT, Senses Board, Worksheets						√				
			Week 3	6	PB-1		NCERT, Senses Board, Worksheets						√				
			Week 4	6	PB-1		NCERT, Senses Board, Worksheets						√				
			Week 5	6	Revision	Revision	NCERT, Senses Board, Sample Papers										
			Week 1	6	Revision	Revision	NCERT, Senses Board, Sample Papers										
			Week 2	6	PB-2									√			

8	DECEMBER	20	Week 3	6	PB-2									√				
			Week 4	6	Practice Test-1										√			
			Week 5	3	Practice Test-1										√			
9	JANUARY	22	Week 1	0														
			Week 2	6	PB-3													√
			Week 3	5	PB-3													√
			Week 4	6	PB-3													√
			Week 5	5	Board Practical	Board Practical												
10	FEBRUARY	23	Week 1	6	Board Practical	Board Practical												
			Week 2	6	Board Practical	Board Practical												
			Week 3	5														
			Week 4	6														
			Week 5	0														
11	MARCH	22	Week 1	5														
			Week 2	6														
			Week 3	5														
			Week 4	5														
			Week 5	1														