

N.C. JINDAL PUBLIC SCHOOL						
PUNJABI BAGH, NEW DELHI						
ANNUAL CURRICULUM (2025-2026)						
Class : XII	Subject: CHEMISTRY	Subject Teacher (Prepared By): MONIKA CHOPRA	Designation : PGT CHEM			
Academic Book	Chapter Name	Chapter Topic / Sub Topic	Term I/II	Start Date	End Date	No. of Periods
Book-1 NCERT	Ch-1 Solutions	Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law	I	01-Apr	17-Apr	13
		colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure				
		determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.				
		NCERT exercise				
Book-1 NCERT	Ch - 2 Electrochemistry	Redox reactions, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells	I	19-Apr	7-May	15
		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)				
		dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.				
		NCERT exercise				
Book-1 NCERT	Ch-3 Chemical Kinetics	Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction	I	8-May	17-May	5
		rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions)		01-Jul	05-Jul	5
		concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.				
		NCERT exercise				
Book-2 NCERT	Ch-6 Haloalkanes and haloarenes	RX: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions.	I	07-Jul	19-Jul	11
		ArX: Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).				
		Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.				
		NCERT exercise				

Book-2 NCERT	Ch-7 Alcohols, phenols and ethers	Nomenclature, methods of preparation, physical and chemical properties, uses of ROH, ArOH and ROR	I	21-Jul	08-Aug	15
		NCERT exercise				
Book-2 NCERT	Ch-8 Aldehydes ketones and carboxylic acids	Nomenclature, preparation and properties of Aldehydes ketones and carboxylic acids	II	11-Aug	29-Aug	14
		NCERT Exercises		1-Sep	4-Sep	6
		REVISION		6-Sep	11-Sep	4
Book -2 NCERT	Ch-9 Amines	Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.	II	03-Oct	17-Oct	9
		Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.				
		NCERT Exercise				
Book-1 NCERT	Ch-4 d and f block elements	Lanthanoids - Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences. Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.transition elements and characterstics and properties of $\text{KMnO}_4/\text{K}_2\text{Cr}_2\text{O}_7$	II	24-Oct	31-Oct	5
		NCERT Exercise		1-Nov	6-Nov	4
Book-1 NCERT	Ch-5 Co-ordination compounds	IUPAC and isomerism , and VBT, CFT and Organometallic compounds	II	10-Nov	19-Nov	9
Book-2 NCERT	Ch- 10 Biomolecules	Carbohydrates - Classification, D-L configuration , importance of carbohydrates. Proteins - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure. Vitamins - Classification and functions. Nucleic Acids: DNA and RNA.	II	20-Nov	28-Nov	7
		Revision for Pre- board				
		Prepared By : Monika Chopra Sign _____ Subject Co-ordinator : Naveen Kumar Tripathi Sign _____				

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Periodic Test/Half Yearly/Annual Marking Scheme : 2025-2026			
Class :	XII	Subject : CHEMISTRY	
S.No.	PT/Half Yearly/Pre Board	Chapter / Topic	Max. Marks
1	PT -1	SOLUTIONS	15
		ELECTROCHEMISTRY (upto NERNST equation)	5
		TOTAL	20
2	PT-2	HALOALKANES AND HALOARENES	10
		KINETICS	10
		TOTAL	20
3	HALF-YEARLY	SOLUTIONS	14
		ELECTROCHEMISTRY	14
		HALOALKANES AND HALOARENES	14
		KINETICS	14
		ALCOHOLS,PHENOLS AND ETHERS	14
		TOTAL	70
4	PT-3	ALDEHYDES KETONES AND CARBOXYLIC ACIDS	10
		AMINES	10
		TOTAL	20
5	Pre- Board Exam	SOLUTIONS	7
		ELECTROCHEMISTRY	9
		KINETICS	7
		D AND F BLOCK CHEMISTRY	7
		CO-ORDINATION CHEMISTRY	7
		HALOALKANES AND HALOARENES	6
		ALCOHOLS,PHENOLS AND ETHERS	6
		ALDEHYDES,KETONES AND CARBOXYLIC ACIDS	8
		AMINES	6
		TOTAL	70