



Jindal Vidya Mandir, JSW Hillside Township

Syllabus Bifurcation (2025-26)

Subject: Chemistry

Class:X

Term 1

Sl No.	Month	WD	ID	No. of Period	Chapter/Units	Learning Objectives	Activities	Assessment Methods	Portion for WT/PT/Term/AE
1	April	13	13	4	Ch-1 Chemical reaction and Equations.	<ul style="list-style-type: none">*Differentiate physical and chemical change.*Define Chemical equations.*Identify Reactants and products.*Describe the importance of balancing chemical reactions*Explain different types of reactions.*Relate the chemical reactions to daily life .*Perform different reactions using chemicals.*Contrast the characteristics of acids and bases .*Differentiate Rancidity and corrosion	Lab Activity ;Burning of Mg ribbon, Reaction of Zn with acid, Reaction of CaO with water, Decomposition of Calcium carbonate and iron sulphate	Quiz/oral test /Discussion	
2	June	20	20	6	Ch-2 Acids, bases and salts	<ul style="list-style-type: none">*Define Acids and Bases.*elaborate the reactions of acids and bases with different substances /elements.	(Activity: Testing of acids and bases with litmus, and with	Worksheet, oral test, class test(pen & paper test)	

						<ul style="list-style-type: none"> *Testing acids and bases with different indicators. *Use of pH scales to identify the acids and bases which are used in everyday life. *Explain Neutralization reaction. *Analysis types of salts. 	pH paper, reaction of acid and base). (SEA activity: Preparing soda acid fire extinguisher).		
3	July	25	20	6	Ch-2 Acids bases and salts (cont..)	Describe soft and hard acids and bases. *identify examples of hard and soft acids and bases. *formation of salt from Acids and bases . *Use different types of acids, bases and salts in daily life	Neutralization reaction of HCl and NaOH using Phenolphthalein indicator	Worksheet, oral test, class test(pen & paper test)	Periodic test-1 (Ch-1,Ch-2)
									WT-5(2-7-25) (portion -Ch-2)
4	August	20	20	6	Ch-3 Metals and Non-Metals	*Differentiate between metals and nonmetals along with examples *Identify metals and nonmetals in periodic table. *Contrast the properties of metals and nonmetals. *Explain reactivity series formation of alloys. *find the products upon the reaction of metals with water, oxygen, acids. *Describe the process of extraction of metals . *Uses of metals and nonmetals in everyday life	(Activity: Checking conductance of some metals using electric circuit, reaction of Zn with water, testing conductivity of salt solution)	Seminar, oral test, class test(pen & paper test)	WT-12(22-8-25)(Portion-Ch-3)

5	September	20	12	4	Revision for Term 1				Term -1 Examination (Ch-1, 2,3)
	Term 2								
6	October	19	19	6	Ch-4 Carbon and it's Compounds	*Explain the term allotropy; - *Describe the identity the series of carbon family. * describe different Allotropes of Carbon; *state the properties of Graphite and Diamond; *describe the uses of carbon dioxide; * demonstrate different reactions of carbon dioxide with lime water and litmus solutions.	(Activity: Testing reactivity of alcohol with metals like Na) SEA activity: Chart preparation on different functional groups and nomenclature of organic compounds)	Worksheet/ oral test/class test/Project/ Quiz	
7	November	22	22	7	Revision for Board exam			Worksheet, oral test, class test(pen & paper test)	WT-5(13-11-25)(Portion-Ch-4)
8	December	26	26	9	Revision for Board exam			Class test/oral test/quiz	Periodic Test 2(Portion -Ch-4)

9	January/ February	22	17	6	Revision for Board exam			Worksheet, oral test, class test(pen & paper test)	WT-12(31-1- 25)(Portion -Ch-1)
10	February/ March	22	22	7	Board exam				Board exam (Portion -Ch-1, 2,3,4)

Subject Teacher

Sub I/C

VP

Principal