

THE WISDOM GLOBAL SCHOOL

SYLLABUS BIFURCATION

GRADE 12

SUBJECT:- CHEMISTRY

NAME OF BOOKS: GRB PUBLICATION PART-I & II

YEAR 2024-25

NAME OF THE TEACHER:- MR. GUNJIT CHAUHAN

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
1	GRB PUBLICATION - PART II	APRIL	10	HALOALKANES AND HALOARENES	HALOALKANES: NOMENCLATURE, NATURE OF C-X BOND	3	TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS.		https://video.wixstatic.com/video/f29914_6ee9b89d93504410a1b0aaf51b54fdc7/720p/mp4/file.mp4	
2		APRIL			PHYSICAL AND CHEMICAL PROPERTIES OF HALOALKANES	3				
3		APRIL			OPTICAL ROTATION MECHANISM OF SUBSTITUTION REACTIONS.	2	TO SHOW THE MECHANISM OF SUBSTITUTION REACTION BY USING MOLECULAR MODEL KIT.		https://video.wixstatic.com/video/f29914_c19c40d6eb6346cdbc717551278e0a86/720p/mp4/file.mp4	
4		APRIL			HALOARENES: NATURE OF C-X BOND	2				
5		APRIL			SUBSTITUTION REACTIONS OF HALOARENES	3				
6		APRIL			USES AND ENVIRONMENTAL EFFECTS OF POLYHALOGEN COMPOUNDS	2				
7		APRIL			TEST	1				
8	GRB PUBLICATION - PART II	APRIL	11	ALCOHOLS, PHENOLS AND ETHERS	ALCOHOLS: NOMENCLATURE, METHODS OF PREPARATION	2			https://video.wixstatic.com/video/f29914_735e211ccaf841b48dfbad4f3fa9722/720p/mp4/file.mp4	
9		APRIL			PHYSICAL AND CHEMICAL PROPERTIES OF PRIMARY ALCOHOLS ONLY	2	TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS.			
10		MAY			PHENOLS: NOMENCLATURE, METHODS OF PREPARATION	2				
11		MAY			PHYSICAL AND CHEMICAL PROPERTIES OF PHENOLS	3			https://video.wixstatic.com/video/f29914_0b00d44dc094298a8c157aff64163a7/720p/mp4/file.mp4	
12		MAY			ETHERS: NOMENCLATURE, METHODS OF PREPARATION	2				
13		MAY			PHYSICAL AND CHEMICAL PROPERTIES OF ETHERS	3				
14		MAY			TEST/REVISION	3				
15	GRB PUBLICATION - PART I	MAY	2	SOLUTION	TYPES OF SOLUTIONS	1			https://video.wixstatic.com/video/f29914_3f1d6b7339e94f15836d198d5276ad2e/720p/mp4/file.mp4	

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
16		MAY			EXPRESSION OF CONCENTRATION OF SOLUTIONS	2	TO PREPARE STANDARD SOLUTION OF DIFFERENT CONCENTRATION.			
17		MAY			SOLUBILITY OF GASES IN LIQUIDS, SOLID SOLUTIONS, RAOULT'S LAW	2				
18		MAY			COLLIGATIVE PROPERTIES	2			https://video.wixstatic.com/video/f29914_33970a80dd6e4f77bbb73b32e87ca5/720p/mp4/file.mp4	
19		MAY			DETERMINATION OF MOLECULAR MASSES USING COLLIGATIVE PROPERTIES	2				
20		MAY			ABNORMAL MOLECULAR MASS, VAN'T HOFF FACTOR	2				
21		MAY			TEST	1				
22	GRB PUBLICATION - PART II	JUNE	14	BIOMOLECULES	CARBOHYDRATES - CLASSIFICATION (ALDOSES AND KETOSES)	1			https://video.wixstatic.com/video/f29914_26b397cae12144c791a720c0db83444c/720p/mp4/file.mp4	
23		JUNE			MONOSACCAHRIDES GLUCOSE AND FRUCTOSE	2				
24		JUNE			PROTEINS -ELEMENTARY IDEA OF - AMINO ACIDS, PEPTIDE BOND	2				
25		JUNE			STRUCTURE OF PROTEINS	2				
26		JULY			DENATURATION OF PROTEINS	1				
27		JULY			ENZYMES	1				
28		JULY			HORMONES	1				
29		JULY			VITAMINS - CLASSIFICATION AND FUNCTIONS.	2				
30		JULY			NUCLEIC ACIDS: DNA AND RNA.	2				YES
31		JULY			TEST	1				
32	GRB PUBLICATION - PART I	JULY	3	ELECTROCHEMISTRY	EMF OF A CELL, STANDARD ELECTRODE POTENTIAL	3	TO SETUP THE VOLTAIC CELL.		https://video.wixstatic.com/video/f29914_fc4a803194a846e580d4820f6ecb0d7d/720p/mp4/file.mp4	
33		JULY			NERNST EQUATION AND ITS APPLICATION TO CHEMICAL CELLS	3				
34		JULY			RELATION BETWEEN GIBBS ENERGY CHANGE AND EMF OF A CELL	2				
35		JULY			CONDUCTANCE IN ELECTROLYTIC SOLUTIONS, SPECIFIC AND MOLAR CONDUCTIVITY	3				
36		JULY			KOHLRAUSCH'S LAW	2				
37		AUGUST			ELECTROLYSIS AND LAW OF ELECTROLYSIS	3				YES
		AUGUST			DRY CELL-ELECTROLYTIC CELLS AND GALVANIC CELLS, LEAD STORAGE BATTERIES, FUEL CELLS, CORROSION.	4			https://video.wixstatic.com/video/f29914_fc4a803194a846e580d4820f6ecb0d7d/720p/mp4/file.mp4	YES

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
		AUGUST			TEST	1				
38	GRB PUBLICATION - PART II	AUGUST	4	CHEMICAL KINETICS	RATE OF A REACTION (AVERAGE AND INSTANTANEOUS)	2			https://video.wixstatic.com/video/f29914_aec927ef44ef4988b28ea718e03e13a4/720p/mp4/file.mp4	
39		AUGUST			FACTORS AFFECTING RATE OF REACTION & ORDER AND MOLECULARITY OF A REACTION,	2	FOOD SPOILAGE ACTIVITY TO FIND THE RATE OF REACTION.	ONE LAYS CHIPS PACKET AND VEGETABLE OIL.		
40		AUGUST			RATE LAW AND SPECIFIC RATE CONSTANT	2				
41		AUGUST			INTEGRATED RATE EQUATIONS AND HALF-LIFE	3				
42		AUGUST			ACTIVATION ENERGY & ARRHENIUS EQUATION	3				
43		SEPTEMBER			TEST / REVISION	6				
MID TERM ASSESSMENT										
45	GRB PUBLICATION - PART I	SEPTEMBER	8	d & f BLOCK ELEMENTS	ATOMIC PROPERTIES AND PHYSICAL PROPERTIES OF d-BLOCK ELEMENTS	4	TO UNDERSTAND THE PROPERTIES BY USING PERIODIC TABLE .		https://video.wixstatic.com/video/f29914_f7984642638f42e1b66d211c3ee13fab/720p/mp4/file.mp4	YES
46		SEPTEMBER			LANTHANIDS	1				YES
47		OCTOBER			ACTINOIDS	1				YES
48		OCTOBER			TEST	1				
49	GRB PUBLICATION - PART I	OCTOBER	9	COORDINATION COMPOUNDS	COORDINATION COMPOUNDS - INTRODUCTION, LIGANDS, COORDINATION NUMBER	2	TO MAKE THE MODEL OF COORDINATION COMPOUNDS BY USING MOLECULAR MODEL KIT.		https://video.wixstatic.com/video/f29914_c550df71a469489e9d1d795a610115b7/720p/mp4/file.mp4	
50		OCTOBER			COLOUR, MAGNETIC PROPERTIES AND SHAPES OF COORDINATION COMPOUNDS	2				
51		OCTOBER			IUPAC NOMENCLATURE OF MONONUCLEAR COORDINATION COMPOUNDS	2				
52		OCTOBER			WERNER'S THEORY	2				
53		OCTOBER			VBT	2				
54		OCTOBER			CFT, STRUCTURE AND STEREOISOMERISM	2				
55		OCTOBER			TEST	1				
56	GRB PUBLICATION - PART II	OCTOBER	12	ALDEHYDES, KETONES AND CARBOXYLIC ACIDS	ALDEHYDES AND KETONES: NOMENCLATURE, NATURE OF CARBONYL GROUP	2	TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS.			
57		OCTOBER			METHODS OF PREPARATION OF ALDEHYDES AND KETONES	2			https://video.wixstatic.com/video/f29914_0c742c54b6b54bbe85ae278ae8ec966e/720p/mp4/file.mp4	

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY	MATERIAL REQUIRED (IF ANY)	ANIMATED VIDEO LINK	CHARTS
58		NOVEMBER			CHEMICAL PROPERTIES OF ALDEHYDES AND KETONES	2			https://video.wixstatic.com/video/f29914_38bba395ec114004ad8b4dab5c7289e1/720p/mp4/file.mp4	
59		NOVEMBER			CARBOXYLIC ACIDS: NOMENCLATURE, ACIDIC NATURE	2				
60		NOVEMBER			METHODS OF PREPARATION OF CARBOXYLIC ACID	3				
61		NOVEMBER			CHEMICAL PROPERTIES OF CARBOXYLIC ACID	3				
62		NOVEMBER			TEST	1				
63	GRB PUBLICATION - PART II	NOVEMBER	13	AMINES	AMINES: NOMENCLATURE, CLASSIFICATION, STRUCTURE	1	TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS.			
64		NOVEMBER			METHODS OF PREPARATION OF AMINES	1			https://video.wixstatic.com/video/f29914_4fd334c6ec0445b08022e170a4c1ea01/720p/mp4/file.mp4	
65		NOVEMBER			CHEMICAL PROPERTIES OF AMINES	2				
66		NOVEMBER			IDENTIFICATION OF PRIMARY, SECONDARY AND TERTIARY AMINES.	1				
67		NOVEMBER			DIAZONIUM SALTS: PREPARATION	1				
68		NOVEMBER			CHEMICAL REACTIONS AND IMPORTANCE OF DIAZONIUM SALT	2				
69		NOVEMBER			TEST/REVISION	2				
PRE BOARD ASSESSMENT										