

THE WISDOM GLOBAL SCHOOL										
SYLLABUS BIFURCATION										
GRADE 11										
SUBJECT:- CHEMISTRY										
NAME OF BOOKS: NCERT PART-I & II										
YEAR 2025-26										
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	NCERT - PART I	APRIL	1	SOME BASIC CONCEPT OF CHEMISTRY	GENERAL INTRODUCTION: IMPORTANCE AND SCOPE OF CHEMISTRY	1			https://video.wixstatic.com/video/f29914_648c107fe82a4eae87ad2809ab8026d0/720p/mp4/file.mp4	
2		APRIL			NATURE OF MATTER	1				YES
3		APRIL			LAWS OF CHEMICAL COMBINATION	2	TO VERIFY THE LAWS OF CHEMICAL COMBINATION.		https://video.wixstatic.com/video/f29914_79b6c29298414416ad52297ab9ac9f39/720p/mp4/file.mp4	
4		APRIL			CONCEPT OF ELEMENTS,ATOMS AND MOLECULES	2				
5		APRIL			MOLE CONCEPT	2	PREPARATION OF STANDARD SOLUTION OF OXALIC ACID.			YES
6		APRIL			PERCENTAGE COMPOSITION	2				
7		APRIL			EMPIRICAL AND MOLECULAR FORMULA	2				
8		APRIL			STOICHIOMETRY AND CALCULATIONS BASED ON STOICHIOMETRY.	3				
9		APRIL			TEST	1				
10	NCERT - PART I	APRIL	2	STRUCTURE OF ATOM	DISCOVERY OF SUBATOMIC PARTICLES	2			https://video.wixstatic.com/video/f29914_4ab940cb9ad74d78b344ea06b1813a04/720p/mp4/file.mp4	YES
11		APRIL			ATOMIC NUMBER, ISOTOPES, ISOBARS	2				
12		MAY			THOMSON'S MODEL AND RUTHERFORD'S MODEL	2				YES
13		MAY			BOHR'S MODEL	2				YES
14		MAY			SHELLS AND SUBSHELLS	2				
15		MAY			DUAL NATURE OF MATTER AND LIGHT	2				
16		MAY			DE BROGLIE'S RELATIONSHIP	1				
17		MAY			HEISENBERG UNCERTAINTY PRINCIPLE	2			https://video.wixstatic.com/video/f29914_ee2a0b40005a402f9c3efcb38d0a8e6b/720p/mp4/file.mp4	
18		MAY			QUANTUM NUMBERS	3				YES
19		MAY			SHAPE OF s,p & d ORBITALS	3				

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20		MAY			RULES FOR FILLING ELECTRONS IN ORBITALS	3				
21		MAY			TEST	1				
22	NCERT - PART I	MAY	3	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	SIGNIFICANCE OF CLASSIFICATION	2			https://video.wixstatic.com/video/f29914_8687cb02a38c4bc0af7afd2ee29e5bb6/720p/mp4/file.mp4	
23		JULY			BRIEF HISTORY OF THE DEVELOPMENT OF PERIODIC TABLE	3				
24		JULY			MODERN PERIODIC TABLE	2				YES
25		JULY			PERIODIC TRENDS IN PROPERTIES OF ELEMENTS	3	PERIODIC TABLE BATTLESHIP.			
26		JULY			NOMENCLATURE OF ELEMENTS WITH ATOMIC NUMBER GREATER THAN 100	2				
27		JULY			TEST	1				
28	NCERT - PART I	JULY	4	CHEMICAL BONDING AND MOLECULAR STRUCTURE	IONIC BOND AND COVALENT BOND	2			https://video.wixstatic.com/video/f29914_c1d1350bcdc74931991ea35217a93bb5/720p/mp4/file.mp4	YES
29		JULY			BOND PARAMETERS	2				
30		JULY			LEWIS STRUCTURES	2				
31		JULY			POLAR CHARACTER OF COVALENT BOND & COVALENT CHARACTER OF IONIC BOND	3				
32		AUGUST			VALENCE BOND THEORY & RESONANCE	3				
33		AUGUST			VSPER THEORY	4	MOLECULAR MODEL BUILDING		https://video.wixstatic.com/video/f29914_1d851ec75b0461395a5ad8463e485fe/720p/mp4/file.mp4	
34		AUGUST			HYBRIDISATION	3				
35		AUGUST			MOLECULAR ORBITAL THEORY	2				
36		AUGUST			HYDROGEN BONDING	2				
37		AUGUST			TEST/REVISION	2				
MID TERM ASSESSMENT										
38	NCERT - PART I	SEPTEMBER	5	CHEMICAL THERMODYNAMICS	CONCEPTS OF SYSTEM AND TYPES OF SYSTEMS AND SURROUNDINGS	1	TO DIFFERENTIATE BETWEEN THE DIFFERENT TYPES OF SYSTEM.		https://video.wixstatic.com/video/f29914_fd154e9aef9b4ce19f89d6f658cb0544/720p/mp4/file.mp4	
39		SEPTEMBER			WORK, HEAT, ENERGY, EXTENSIVE AND INTENSIVE PROPERTIES, STATE FUNCTIONS	2				
40		OCTOBER			FIRST LAW OF THERMODYNAMICS	1	TO ILLUSTRATE THE FIRST LAW OF THERMODYNAMICS	PLASTIC BALL		

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41		OCTOBER			INTERNAL ENERGY AND ENTHALPY	1				
42		OCTOBER			HEAT CAPACITY AND SPECIFIC HEAT	1				
43		OCTOBER			MEASUREMENT OF ΔU AND ΔH	1				
44		OCTOBER			HESS'S LAW OF CONSTANT HEAT SUMMATION	1				
45		OCTOBER			DIFFERENT TYPE OF ENTHALPIES	2				
46		OCTOBER			SECOND LAW OF THERMODYNAMICS	1				
47		OCTOBER			ENTROPY	1				
48		OCTOBER			GIBB'S ENERGY CHANGE FOR SPONTANEOUS AND NON-SPONTANEOUS PROCESSES	2				
49		OCTOBER			TEST	1				
50	NCERT - PART II	OCTOBER	7	REDOX REACTIONS	CONCEPT OF OXIDATION AND REDUCTION	2	DEMONSTRATION OF REDOX REACTION		https://video.wixstatic.com/video/f29914_cf24a1a_ba6764710b6d87cfc026dc764/720p/mp4/file.mp4	
51		OCTOBER			REDOX REACTIONS	1				
52		OCTOBER			OXIDATION NUMBER	2				
53		NOVEMBER			BALANCING OF REDOX REACTIONS	3				
54		NOVEMBER			TEST/REVISION	3				
55	NCERT - PART I	NOVEMBER	6	EQUILIBRIUM	EQUILIBRIUM IN PHYSICAL AND CHEMICAL PROCESSES	2			https://video.wixstatic.com/video/f29914_971df84305224adeb8d72036be12902/720p/mp4/file.mp4	
56		NOVEMBER			LAW OF MASS ACTION, EQUILIBRIUM CONSTANT	2				
57		NOVEMBER			LE CHATELIER'S PRINCIPLE	2	STUDY THE SHIFT IN EQUILIBRIUM BETWEEN FERRIC IONS AND THIOCYANATE IONS BY INCREASING/DECREASING THE CONCENTRATION OF EITHER OF THE IONS.			
58		NOVEMBER			IONIC EQUILIBRIUM- IONIZATION OF ACIDS AND BASES	2			https://video.wixstatic.com/video/f29914_e29d9e9cdf2140619fe1ad1c12437d3f/720p/mp4/file.mp4	
59		NOVEMBER			STRONG AND WEAK ELECTROLYTES	2				

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60		DECEMBER			DEGREE OF IONIZATION, IONIZATION OF POLY BASIC ACIDS,	2				
61		DECEMBER			CONCEPT OF pH	2	COMPARING THE pH OF SOLUTIONS OF STRONG AND WEAK ACIDS OF SAME CONCENTRATION.			
62		DECEMBER			HYDROLYSIS OF SALTS	2				
63		DECEMBER			BUFFER SOLUTION & SOLUBILITY PRODUCT & COMMON ION EFFECT	2				
64		DECEMBER			TEST	1				
65	NCERT - PART II	DECEMBER	8	ORGANIC CHEMISTRY - SOME BASIC PRINCIPLES AND TECHNIQUES	GENERAL INTRODUCTION & METHODS OF PURIFICATION	3			https://video.wixstatic.com/video/f29914_4bf5dc67172c4137b2b039da8419830b/720p/mp4/file.mp4	
66		DECEMBER			QUALITATIVE AND QUANTITATIVE ANALYSIS	3				
67		DECEMBER			CLASSIFICATION AND IUPAC NOMENCLATURE OF ORGANIC COMPOUNDS	2			https://video.wixstatic.com/video/f29914_85f799fccf3e42c9b437bf27e9932719/720p/mp4/file.mp4	
68		DECEMBER			INDUCTIVE EFFECT, ELECTROMERIC EFFECT	2				
69		DECEMBER			RESONANCE AND HYPER CONJUGATION	2				
70		DECEMBER			HOMOLYTIC AND HETEROLYTIC FISSION OF A COVALENT BOND	1				
71		JANUARY			TYPES OF ORGANIC REACTIONS	3			https://video.wixstatic.com/video/f29914_eadb7cc647874c9cb30cbb71952e58b8/720p/mp4/file.mp4	
72		JANUARY			TEST	1				
73	NCERT - PART II	JANUARY	9	HYDROCARBONS	ALKANES - NOMENCLATURE, ISOMERISM, CONFORMATION, PHYSICAL PROPERTIES	2			https://video.wixstatic.com/video/f29914_9914ccb14fab4ee8886a7133fba554df/720p/mp4/file.mp4	
74		JANUARY			CHEMICAL REACTIONS OF ALKANE	2				
75		JANUARY			ALKENES - NOMENCLATURE, GEOMETRICAL ISOMERISM & PHYSICAL PROPERTIES	2			https://video.wixstatic.com/video/f29914_8c3025716eb843b0a775ec38d687e61d/720p/mp4/file.mp4	
76		JANUARY			METHODS OF PREPARATION, CHEMICAL REACTIONS OF ALKENE.	2				

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