

**THE WISDOM GLOBAL SCHOOL****SYLLABUS BIFURCATION****GRADE 11****SUBJECT:- CHEMISTRY****NAME OF BOOKS: NCERT PART-I & II****YEAR 2022-23****NAME OF THE TEACHER:- MR. GUNJIT CHAUHAN**

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY/PROPS	SMART BOARD(PPT / VIDEO)	CHARTS
1	NCERT PART-I	JULY	1	SOME BASIC CONCEPT OF CHEMISTRY	GENERAL INTRODUCTION: IMPORTANCE AND SCOPE OF CHEMISTRY	1	NO	PPT	NO
2		JULY			NATURE OF MATTER	1	YES	PPT	NO
3		JULY			LAWS OF CHEMICAL COMBINATION	2	NO	PPT	NO
4		JULY			CONCEPT OF ELEMENTS,ATOMS AND MOLECULES	2	NO	PPT	NO
5		JULY			MOLE CONCEPT	2	NO	PPT	NO
6		JULY			PERCENTAGE COMBINATION	2	NO	PPT	NO
7		JULY			EMPIRICAL AND MOLECULAR FORMULA	2	NO	PPT	NO
8		JULY			STOICHIOMETRY AND CALCULATIONS BASED ON STOICHIOMETRY.	3	NO	PPT	NO
9		JULY			TEST	1	NO	NO	NO
10	NCERT PART-I	JULY	2	STRUCTURE OF ATOM	DISCOVERY OF SUBATOMIC PARTICLES	3	NO	VIDEO	NO
11		JULY			ATOMIC NUMBER, ISOTOPES, ISOBARS	1	NO	PPT	NO
12		JULY			BOHR'S MODEL	2	NO	PPT	YES
13		JULY			SHELLS AND SUBSHELLS	2	NO	PPT	NO

14		JULY			DUAL NATURE OF MATTER AND LIGHT	2	NO	PPT	NO
15		AUGUST			DE BROGLIE'S RELATIONSHIP	1	NO	PPT	NO
16		AUGUST			HEISENBERG UNCERTAINTY PRINCIPLE	1	NO	PPT	NO
17		AUGUST			QUANTUM NUMBERS	2	NO	PPT	NO
18		AUGUST			SHAPE OF s,p & d ORBITALS	2	NO	PPT	NO
19		AUGUST			RULES FOR FILLING ELECTRONS IN ORBITALS	2	NO	PPT	NO
20		AUGUST			TEST	1	NO	NO	NO
21	NCERT PART-I	AUGUST	3	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	MODERN PERIODIC TABLE	2	NO	PPT	YES
22		AUGUST			PERIODIC TRENDS IN PROPERTIES OF ELEMENTS	3	YES	PPT	YES
23		AUGUST			NOMENCLATURE OF ELEMENTS WITH ATOMIC NUMBER GREATER THAN 100	2	NO	NO	NO
24		AUGUST			TEST/REVISION	2	NO	NO	NO
<b>MID TERM ASSESSMENT</b>									
25	NCERT PART-I	AUGUST	4	CHEMICAL BONDING AND MOLECULAR STRUCTURE	IONIC BOND AND COVALENT BOND	2	NO	PPT	NO
26		AUGUST			BOND PARAMETERS	1	NO	PPT	NO
27		AUGUST			LEWIS STRUCTURES	1	NO	PPT	NO
28		SEPTEMBER			POLAR CHARACTER OF COVALENT BOND & COVALENT CHARACTER OF IONIC BOND	2	YES	PPT	NO
29		SEPTEMBER			VALENCE BOND THEORY & RESONANCE	2	NO	PPT	NO
30		OCTOBER			VSPER THEORY	3	YES	PPT	NO
31		OCTOBER			HYBRIDISATION	3	YES	PPT	NO
32		OCTOBER			MOLECULAR ORBITAL THEORY	2	NO	PPT	NO
33		OCTOBER			HYDROGEN BONDING	2	NO	PPT	NO
34		OCTOBER			TEST/REVISION	2	NO	PPT	NO

35	NCERT PART-I	NOVEMBER	6	CHEMICAL THERMODYNAMICS	CONCEPTS OF SYSTEM AND TYPES OF SYSTEMS AND SURROUNDINGS	1	NO	PPT	NO
36		NOVEMBER			WORK, HEAT, ENERGY, EXTENSIVE AND INTENSIVE PROPERTIES, STATE FUNCTIONS	2	NO	PPT	NO
37		NOVEMBER			FIRST LAW OF THERMODYNAMICS	1	NO	PPT	NO
38		NOVEMBER			INTERNAL ENERGY AND ENTHALPY	1	NO	PPT	NO
39		NOVEMBER			HEAT CAPACITY AND SPECIFIC HEAT	1	NO	PPT	YES
40		NOVEMBER			MEASUREMENT OF $\Delta U$ AND $\Delta H$	1	NO	PPT	YES
41		NOVEMBER			HESS'S LAW OF CONSTANT HEAT SUMMATION	1	NO	PPT	YES
42		NOVEMBER			DIFFERENT TYPE OF ENTHALPIES	2	NO	PPT	NO
43		NOVEMBER			SECOND LAW OF THERMODYNAMICS	1	NO	PPT	YES
44		NOVEMBER			ENTROPY	1	NO	PPT	YES
45		NOVEMBER			GIBB'S ENERGY CHANGE FOR SPONTANEOUS AND NON-	1	NO	PPT	NO
46		NOVEMBER			TEST	1	NO	NO	NO
47	NCERT PART-II	NOVEMBER	8	REDOX REACTIONS	CONCEPT OF OXIDATION AND REDUCTION	2	NO	PPT	NO
48		NOVEMBER			REDOX REACTIONS	1	NO	PPT	NO
49		NOVEMBER			OXIDATION NUMBER	2	NO	PPT	NO
50		NOVEMBER			BALANCING OF REDOX REACTIONS	3	NO	PPT	NO
51		NOVEMBER			TEST/REVISION	3	NO	NO	NO
<b>POST MID TERM</b>									
52	NCERT PART-I	DECEMBER	7	EQUILIBRIUM	EQUILIBRIUM IN PHYSICAL AND CHEMICAL PROCESSES	1	NO	PPT	NO
53		DECEMBER			LAW OF MASS ACTION, EQUILIBRIUM CONSTANT	2	NO	PPT	NO

54		DECEMBER			LE CHATELIER'S PRINCIPLE	2	NO	PPT	NO
55		DECEMBER			IONIC EQUILIBRIUM- IONIZATION OF ACIDS AND BASES	2	NO	PPT	NO
56		DECEMBER			STRONG AND WEAK ELECTROLYTES	2	NO	PPT	NO
57		DECEMBER			DEGREE OF IONIZATION, IONIZATION OF POLY BASIC ACIDS,	2	NO	PPT	NO
58		DECEMBER			CONCEPT OF PH	2	NO	PPT	NO
59		DECEMBER			HYDROLYSIS OF SALTS	2	NO	PPT	NO
60		DECEMBER			BUFFER SOLUTION & SOLUBILITY PRODUCT & COMMON ION EFFECT	2	NO	PPT	NO
61		DECEMBER			TEST	1	NO	NO	NO
62	NCERT PART-II	JANUARY	12	ORGANIC CHEMISTRY -SOME BASIC PRINCIPLES AND TECHNIQUES	GENERAL INTRODUCTION & METHODS OF PURIFICATION	3	YES	PPT	YES
63		JANUARY			QUALITATIVE AND QUANTITATIVE ANALYSIS	3	NO	NO	NO
64		JANUARY			CLASSIFICATION AND IUPAC NOMENCLATURE OF ORGANIC COMPOUNDS	2	NO	PPT	YES
65		JANUARY			INDUCTIVE EFFECT, ELECTROMERIC EFFECT	2	NO	PPT	NO
66		JANUARY			RESONANCE AND HYPER CONJUGATION	2	NO	PPT	NO
67		JANUARY			HOMOLYTIC AND HETEROLYTIC FISSION OF A COVALENT BOND	1	NO	PPT	NO
68		JANUARY			TYPES OF ORGANIC REACTIONS	3	NO	PPT	NO
69		JANUARY			TEST	1	NO	NO	NO
70	NCERT PART-II	FEBRUARY	13	HYDROCARBONS	ALKANES - NOMENCLATURE, ISOMERISM, CONFORMATION, PHYSICAL PROPERTIES	2	NO	PPT	NO
71		FEBRUARY			CHEMICAL REACTIONS OF ALKANE	2	NO	PPT	NO

72		FEBRUARY			ALKENES - NOMENCLATURE, GEOMETRICAL ISOMERISM & PHYSICAL PROPERTIES	2	NO	PPT	NO
73		FEBRUARY			METHODS OF PREPARATION, CHEMICAL REACTIONS OF ALKENE.	2	NO	PPT	NO
74		FEBRUARY			ALKYNES - NOMENCLATURE & PHYSICAL PROPERTIES	2	NO	PPT	NO
75		FEBRUARY			METHODS OF PREPARATION & CHEMICAL REACTIONS OF ALKYNE.	2	NO	PPT	NO
76		FEBRUARY			BENZENE: RESONANCE & AROMATICITY	2	NO	PPT	NO
77		FEBRUARY			CHEMICAL PROPERTIES: MECHANISM OF ELECTROPHILIC SUBSTITUTION	2	NO	PPT	NO
78		FEBRUARY			DIRECTIVE INFLUENCE OF FUNCTIONAL GROUP IN MONOSUBSTITUTED BENZENE	1	NO	PPT	NO
79		FEBRUARY			CARCINOGENICITY AND TOXICITY	1	NO	PPT	NO
80		FEBRUARY			TEST/REVISION	3	NO	PPT	NO

FINAL ASSESSMENT