

THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE-11									
SUBJECT-BIOLOGY									
NAME OF BOOK- BIOLOGY NCERT									
YEAR-2022-2023									
NAME OF TEACHER- Mr. ANSHUL SHARMA									
S.No.	BOOK NAME	MONTH	CHAPTER NO.	CHAPTER NAME	SUB.TOPIC	NO. OF DAYS REQUIRED	ACTIVITY/ PROPS	SMART BOARD(PPT/ VIDEO)	CHART
1	BIOLOGY-NCERT	JULY	1	The Living World	BIODIVERSITY , NEED OF CLASSIFICTION	1	NO	NO	NO
2		JULY			THREE DOMAIN OF LIFE: TAXONOMY AND SYSTEMATICS	2	NO	NO	NO
3		JULY			CONCEPT OF SPECIES AND TAXONOMICAL HIERARCHY, BINOMIAL NOMENCLATURE	3	NO	NO	NO
4		JULY	2	BIOLOGICAL CLASSIFICATION	FIVE KINGDOM CLASSIFICTION	1	NO	NO	NO
5		JULY			SALIENT FEATURES AND CLASSIFICATION OF MONERA	1	YES	NO	NO
6		JULY			PROTISTA AND FUNGI INTO MAJOR GROUPS, LICHENS, VIRUSES AND VIROID	4	NO	NO	NO
7		JULY	3	PLANT KINGDOM	CLASSIFICATION OF PLANTS INTO MAJOR GROUPS	1	YES	NO	NO

8		JULY			SALIENT AND DISTINGUISHING FEATURES AND A FEW EXAMPLES OF ALGAE, BRYOPHYTA, PTERIDOPHYTA, GYMNOSPERM	5	YES	NO	NO
9		JULY	4	ANIMAL KINGDOM	SALIENT FEATURE AND CLASSIFICATION OF ANIMALS.	2	YES	NO	NO
10		JULY			NON-CHORDATES UPTO PHYLA LEVEL(SALIENT FEATURES AND A FEW EXAMPLES OF EACH CATEGORY)	4	YES	YES	NO
11	BIOLOGY-NCERT	JULY			CHORDATES UPTO CLASS LEVEL (SALIENT FEATURES AND A FEW EXAMPLES OF EACH CATEGORY)	3	YES	YES	NO
12		AUGUST	5	MORPHOLOGY OF FLOWERING PLANTS	MORPHOLOGY OF DIFFERETNT PARTS OF FLOWERING PLANTS : ROOTS STEM, LEAF, INFLORESCENCE, FLOWER, FRUIT AND SEED. DESCRIPTION OF FAMILY SOLANACEAE	8	YES	YES	NO

13		AUGUST	6	ANATOMY OF FLOWERING PLANTS	ANATOMY AND FUNCTIONS OF TISSUE SYSTEMS IN DICOT AND MONOCOTS.	4	YES	YES	NO
14		AUGUST	7	STRUCTURAL ORGANISATION IN ANIMALS	MORPHOLOGY ANATOMY AND FUNCTION OF - DIGESTIVE SYSTEM OF FROG	1	YES	YES	YES
15		AUGUST			MORPHOLOGY ANATOMY AND FUNCTION OF - CIRCULATORY SYSTEM OF FROG	1	YES	YES	YES
MID TERM ASSESSMENT									
16		SEPTEMBER			MORPHOLOGY ANATOMY AND FUNCTION OF- RESPIRATORY SYSTEM OF FROG	1	NO	YES	YES
18	BIOLOGY-NCERT	SEPTEMBER			MORPHOLOGY ANATOMY AND FUNCTION OF - NERVOUS SYSTEM OF FROG	1	NO	YES	YES
19		SEPTEMBER			MORPHOLOGY ANATOMY AND FUNCTION OF REPRODUCTIVE SYSTEM OF FROG	1	YES	YES	YES
20		OCTOBER	8	CELL- THE UNIT OF LIFE	CELL THEORY AND CELL AS THE BASIC UNIT OF LIFE, STRUCTURE OF PROKARYOTIC AND EUKARYOTIC CELL	2	YES	YES	NO
21	BIOLOGY-NCERT	OCTOBER			PLANT CELL AND ANIMAL CELL	2	YES	NO	YES

22		OCTOBER			CELL ENVELOP: CELL MEMBRANE AND CELL WALL	2	NO	NO	YES
23		OCTOBER			CELL ORGANELLES- STRUCTURE AND FUNCTION, ER, GOLGI BODY, LYSOSOMES, VACUOLE, MITOCHONDRIA, RIBOSOME, PLASTID, MICROBODIES, CYTOSKELETON, CILIA, FLAGELLA, CENTRIOLES, NUCLEUS	8	NO	YES	YES
24		OCTOBER	9	BIOMOLECULE	CHEMICAL CONSTITUENTS OF LIVING CELLS: BIOMOLECULES	1	NO	YES	NO
25		NOVEMBER			STRUCTURE AND FUNCTION OF PROTEIN, CARBOHYD RATES, LIPIDS, NUCLEIC ACIDS	4	NO	YES	NO
26		NOVEMBER			ENZYME- TYPES, PROPERTIES, ENZYME ACTION	2	YES	NO	NO
27		NOVEMBER	10	CELL CYCLE AND CELL DIVISION	CELL CYCLE AND MITOSIS AND THEIR SIGNIFICANCE	4	YES	YES	NO
28	BIOLOGY- NCERT	NOVEMBER	13	PHOTOSYNTHESIS	PHOTOSYNTHESIS AS A MEANS OF AUTOTROPHIC NUTRITION: SITE OF PHOTOSYNTHESIS	2	NO	YES	NO

29		NOVEMBER			PIGMENTS INVOLVED IN PHOTOSYNTHESIS	1	NO	YES	NO
30		NOVEMBER			PHOTOCHEMICAL AND BIOSYNTHETIC PHASE OF PHOTOSYNTHESIS: CYCLIC AND NON-CYCLIC PHOTOPHOSPHORYLATION, CHEMOOSMOTIC HYPOTHESIS	3	NO	YES	NO
31		NOVEMBER			PHOTORESPIRATION , C3 AND C4 PATHWAY, FACTOR EFFECTING PHOTOSYNTHESIS	3	NO	YES	NO
32		DECEMBER	14	RESPIRATION IN PLANTS	EXCHANGES OF GASES1	1	NO	NO	NO
33		DECEMBER			CELLULAR RESPIRATION: GLYCOLYSIS	1	NO	YES	NO
34		DECEMBER			FERMENTATION	1	NO	YES	NO
35		DECEMBER			TCA CYCLE, ETS	2	NO	YES	NO
36		DECEMBER			ENERGY RELATION : NUMBEROF ATP MOLECULES GENERATED, AMPHIBOLIC PATHWAYS RESPIRATORY QUOTIENT	2	NO	YES	NO

37	BIOLOGY-NCERT	DECEMBER	15	PLANT GROWTH AND DEVELOPMENT	SEED GERMINATION: PHASES OF PLANT GROWTH AND PLANT GROWTH RATE, CONDITION OF GROWTH, DIFFERENTIATION , DEDIFFERENTIATION AND REDIFFERENTIATION	3	NO	YES	NO
38		DECEMBER			SEQUENCE OF DEVELOPMENTAL PROCESSES IN A PLANT CELL	1	NO	YES	NO
39		DECEMBER			PLANT GROWTH REGULATORS- AUXIN, GIBBERELIN, CYTOKININ , ETHYLENE, ABA	3	NO	YES	NO
POST MID TERM ASSESSMENT									
40		JANUARY	17	BREATHING AND EXCHANGES OF GASES	RESPIRATORY ORGANS IN ANIMALS	1	NO	YES	YES
41		JANUARY			RESPIRATORY SYSTEM IN HUMANS	1	NO	YES	YES
42	BIOLOGY-NCERT	JANUARY			MECHANISM OF BREATHING AND ITS REGULATION IN HUMAN	1	NO	YES	NO
43		JANUARY			EXCHANGES AND TRANSPORT OF GASES	2	NO	YES	NO

44		JANUARY			REGULATION OF RESPIRATION DISORDER RELATED TO RESPIRATION	1	NO	YES	NO
45		FEBRUARY	18	BODY FLUID AND CIRCULATION	COMPOSITION OF BLOOD, BLOOD GROUPS, COAGULATION OF BLOOD	2	NO	YES	NO
46	BIOLOGY-NCERT	FEBRUARY			HUMAN CIRCULATORY SYSTEM	1	NO	YES	YES
47		FEBRUARY			CARDIAC CYCLE, CARDIAC OUTPUT, ECG DOUBLE CIRCULATION	1	NO	YES	NO
48		FEBRUARY			REGULATION AND DISORDER OF CARDIAC SYSTEM	1	NO	YES	NO
49		FEBRUARY	19	EXCRETORY PRODUCTS AND THEIR ELIMINATION	MODES OF EXCRETION , HUMAN EXCRETORY SYSTEM	1	NO	YES	YES
50		FEBRUARY			URINE FORMATION, OSMOREGULATION	1	NO	YES	NO
51	BIOLOGY-NCERT				REGULATION AND DISORDERS OF KIDNEY FUNCTION	2	NO	YES	NO
52		FEBRUARY	20	LOCOMOTION AND MOVEMENT	TYPES OF MOVEMENTS- CILIARY, FLAGELLAR, MUSCULAR	1	NO	YES	NO

53		FEBRUARY			SKELETAL MUSCLE- CONTARCTILE PROTEIN AND MUSCLE CONTRACTION	2	NO	YES	NO
54	BIOLOGY- NCERT	FEBRUARY			SKELETAL SYSTEM AND ITS FUNCTIONS	2	NO	YES	NO
55		FEBRUARY			DISORDER OF MUSCULAR AND SKELETAL SYSTEM	1	NO	YES	NO
56		FEBRUARY	21	NEURAL CONTROL AND COORDINATION	NEURON AND NERVES	1	NO	YES	YES
57	BIOLOGY- NCERT	FEBRUARY			HUMAN NERVOUS SYSTEM	2	NO	YES	NO
58		FEBRUARY			GENERATION AND CONDUCTION OF NERVE IMPULSE	2	NO	YES	NO
59		FEBRUARY	22	CHEMICAL COORDINATION AND INTEGRATION	HUMAN ENDOCRINE SYSTEM- HYPOTHALMUS, PITUITARY, PINEAL THYROID, PARATHYR OID, ADRENAL, PANCREASE, GONAD	2	NO	YES	YES
60	BIOLOGY- NCERT	FEBRUARY			MECHANISM OF ACTION HORMONE	2	NO	YES	NO
FINAL ASSESSMENT									