

PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH
SYLLABUS BREAKUP

Class: 8th Fed_Subject: Biology

Number of Teaching Weeks in First Term: (1 - 17)

Number of Teaching Weeks in Second Term: (18 - 34)

Name of Text Book: NBF as Federal Textbook Board Islamabad

Week No.	Chapter No.	Day	Topic	Book Page Numbers
1	INTRODUCTION TO BIOLOGY	Day 1	DEFINATION OF BIOLOGY	6
		Day 2	DIVISION AND BRANCHES OF BIOLOGY	6
		Day 3	DIVISION AND BRANCHES OF BIOLOGY	6
		Day 4	DIVISION AND BRANCHES OF BIOLOGY	7
2		Day 1	DIVISION AND BRANCHES OF BIOLOGY	7
		Day 2	DIVISION AND BRANCHES OF BIOLOGY	7
		Day 3	RELATION OF BIOLOGY WITH OTHER SCIENCE	7
		Day 4	RELATION OF BIOLOGY WITH OTHER SCIENCE	7
3		Day 1	RELATION OF BIOLOGY WITH OTHER SCIENCE	8
		Day 2	CAREER IN BIOLOGY	8
		Day 3	CAREER IN BIOLOGY	8
		Day 4	QURANIC INSTRUCTION	9
4		Day 1	CONTRIBUTION OF MUSLIM SCIENTIST	9,10
		Day 2	THE LEVEL OF ORGANIZATION	10
		Day 3	THE LEVEL OF ORGANIZATION	11
		Day 4	THE LEVEL OF ORGANIZATION	11
5		Day 1	THE LEVEL OF ORGANIZATION	12
		Day 2	THE LEVEL OF ORGANIZATION	12,13
		Day 3	EXCERSICE	
		Day 4	TEST	

Week No.	Chapter No.	Day	Topic	Book Page Numbers
6	SOLVING A BIOLOGICAL PROBLEM	Day 1	BIOLOGICAL METHOD	17
		Day 2	STEPS OF BIOLOGICAL METHOD	17
		Day 3	STEPS OF BIOLOGICAL METHOD	18
		Day 4	STEPS OF BIOLOGICAL METHOD	18
7		Day 1	STEPS OF BIOLOGICAL METHOD	18
		Day 2	CAUSE OF MALARIA	18
		Day 3	STUDY OF MALARIA	19
		Day 4	STUDY OF MALARIA	19
8		Day 1	STUDY OF MALARIA	19
		Day 2	RONALD ROSS EXPERIMENT	20
		Day 3	RONALD ROSS EXPERIMENT	20
		Day 4	THEORY,LAW AND PRINCIPLES	21
9		Day 1	THEORY,LAW AND PRINCIPLES	21
		Day 2	DATA ORGANIZATION	21
		Day 3	DATA ANALYSIS	21
		Day 4	RATIO	22
10		Day 1	PROPORTION	22
		Day 2	IMPORTANCE OF DATA ANALYSIS	22
		Day 3	IMPORTANCE OF DATA ANALYSIS	22
		Day 4	EXERCISE	
11	BIODIVERSITY	Day 1	TEST	
		Day 2	INTRODUCTION OF BIODIVERSITY	25
		Day 3	INTRODUCTION OF BIODIVERSITY	25
		Day 4	IMPORTANCE OF BIODIVERSITY	25

Week No.	Chapter No.	Day	Topic	Book Page Numbers
12		Day 1	IMPORTANCE OF BIODIVERSITY	26
		Day 2	AIM AND PRINCIPLES CLASSIFICATION	26
		Day 3	HISTORY OF CLASSIFICATION	27
		Day 4	TWO KINGDOM SYSTEM	27
13		Day 1	THREE KINGDOM SYSTEM	27
		Day 2	FIVE KINGDOM SYSTEM OF CLASSIFICATION	27
		Day 3	FIVE KINGDOM SYSTEM OF CLASSIFICATION	28
		Day 4	FIVE KINGDOM SYSTEM OF CLASSIFICATION	28
14		Day 1	FIVE KINGDOM SYSTEM OF CLASSIFICATION	28
		Day 2	VIRUS	29
		Day 3	VIRUS	29
		Day 4	BINOMIAL NOMENCULTURE	30
15		Day 1	CONSERVATION OF BIODIVERSITY	30
		Day 2	HUMAN IMPACT	31
		Day 3	HUMAN IMPACT	31
		Day 4	EFFECTS OF DEFORESTATION	32
16		Day 1	EXTINCT AND ENDANGERED ANIMALS	32
		Day 2	EXTINCT AND ENDANGERED ANIMALS	32
		Day 3	ENDANGERED SPECIES IN PAKISTAN	33
		Day 4	ENDANGERED SPECIES IN PAKISTAN	33
17		Day 1	EXERCISE	
		Day 2	TEST	
		Day 3	REVISION	
		Day 4	REVISION	

Week No.	Chapter No.	Day	Topic	Book Page Numbers
18	CELLS AND TISSUES	Day 1	MICROSCOPY AND EMERGENCE OF CELL THEORY	38
		Day 2	LIGHT MICROSCOPY AND ELECTRON MICROSCOPY	38
		Day 3	HISTORY OF THE FORMATION OF CELL THEORY	39
		Day 4	HISTORY OF THE FORMATION OF CELL THEORY	39
19		Day 1	CELLULAR STRUCTURE AND FUNCTION	40
		Day 2	STRUCTURE AND FUNCTION OF CELL ORGANELLES	41
		Day 3	STRUCTURE AND FUNCTION OF CELL ORGANELLES	41
		Day 4	CYTOPLASM , RIBOSOME ,ER GOLGI APPARATUS	42
20		Day 1	LYSOSOMES , MITOCHONDRIA	43
		Day 2	CENTRIOLE, CYTOSKELETON, CILIA AND FLAGELLA	44
		Day 3	A PLANT CELL	45
		Day 4	A PLANT CELL	46
21		Day 1	A PLANT CELL	47
		Day 2	RELATIONSHIP BETWEEN CELL FUNCTION AND CELL STRUCTURE	47,48
		Day 3	PROKARYOTIC AND EUKARYOTIC CELL	48,49
		Day 4	CELL SURFACE AREA TO VOLUME RATIO	49
22		Day 1	PASSAGE OF MOLECULES INTO AND OUT OF CELLS	50
		Day 2	PASSAGE OF MOLECULES INTO AND OUT OF CELLS	51
		Day 3	PASSAGE OF MOLECULES INTO AND OUT OF CELLS	52
		Day 4	PASSAGE OF MOLECULES INTO AND OUT OF CELLS	53
23		Day 1	TISSUES	53
		Day 2	ANIMAL TISSUES	54
		Day 3	ANIMAL TISSUES	55
		Day 4	ANIMAL TISSUES	56

Week No.	Chapter No.	Day	Topic	Book Page Numbers
24		Day 1	ANIMAL TISSUES	56
		Day 2	PLANT TISSUES	56
		Day 3	PLANT TISSUES	57
		Day 4	PLANT TISSUES	58
25		Day 1	PLANT TISSUES	58
		Day 2	PLANT TISSUES	59
		Day 3	EXERCISE	
		Day 4	TEST	
26	CELL CYCLE	Day 1	PHASES OF CELL CYCLE	67
		Day 2	PHASES OF CELL CYCLE	68
		Day 3	MITOSIS	68
		Day 4	PHASES OF MITOSIS	69
27		Day 1	PHASES OF MITOSIS	70
		Day 2	SIGNIFICANCE	70,71
		Day 3	ERROR	71
		Day 4	MEIOSIS	71
28		Day 1	PHASES OF MEIOSIS	72
		Day 2	PHASES OF MEIOSIS	73
		Day 3	SIGNIFICANCE OF MEIOSIS	74
		Day 4	COMPARISON	74
29		Day 1	NECROSIS	75
		Day 2	APOPTOSIS	75
		Day 3	EXERCISE	
		Day 4	TEST	

Week No.	Chapter No.	Day	Topic	Book Page Numbers
30	ENZYMES	Day 1	ENZYMES	79
		Day 2	ENZYMES AND THEIR CHARACTERISTIC	79
		Day 3	ENZYMES AND THEIR CHARACTERISTIC	80
		Day 4	ENERGY OF ACTIVATION	80
31		Day 1	FACTORS AFFECTION ENZYME ACTIVITY	81
		Day 2	FACTORS AFFECTION ENZYME ACTIVITY	81
		Day 3	MECHANISM OF ENZYME ACTION	82
		Day 4	MECHANISM OF ENZYME ACTION	83
32		Day 1	MECHANISM OF ENZYME ACTION	83
		Day 2	INDUCED FIT MODEL	83
		Day 3	SPECIFICITY OF ENZYME	83
		Day 4	SPECIFICITY OF ENZYME	83
33		Day 1	EXERCISE	
		Day 2	TEST	
		Day 3	REVISION	
		Day 4	REVISION	
34		Day 1	REVISION	
		Day 2	REVISION	
		Day 3	REVISION	
		Day 4	REVISION	