

LECTURE PLAN FOR NEET_BIOLOGY (2021)						
S.No.	Chapter Name	Topic Name	Lecture No.	Subject	Lecture Date	Date of completion
1	Structural Organisation in Animals	Animal tissue (epithelial tissue)	1	Zoology	10-May-21	22-May-21
2		Animal tissue (epithelial tissue)	1		11-May-21	
3		Animal tissue (connective tissue)	1		13-May-21	
4		Animal tissue (connective tissue)	1		15-May-21	
5		Animal tissue (muscular tissue)	1		17-May-21	
6		Animal tissue (neural tissue)	1		18-May-21	
7		Cockroach-i	1		20-May-21	
8		Cockroach-ii	1		21-May-21	
9		Cockroach-iii	1		22-May-21	
10	Cell Unit of Life	Overview of cell, cell theory	1	Botany	24-May-21	17-Jun-21
11		Eukaryotic cell, plasmambrane-1	1		25-May-21	
12		plasmambrane	1		27-May-21	
13		plasmambrane	1		28-May-21	
14		Transport across plasma membrane	1		31-May-21	
15		Transport across plasma membrane	1		01-Jun-21	
16		Ramachandran & Cell wall	1		03-Jun-21	
17		Plasmodesmata, Pits, Ribosome and Mitochondria	1		04-Jun-21	
18		Mitochondria and Plastid	1		05-Jun-21	
19		Plastid	1		06-Jun-21	
20		Endosymbionts in Cell, Endomembrane System	1		07-Jun-21	
21		Functions of Endoplasmic Reticulum, Golgi Body	1		08-Jun-21	
22		Lysosome, vacuole	1		10-Jun-21	
23		microbodies	1		11-Jun-21	
24		cytoskeleton	1		12-Jun-21	
25		nucleus	1		13-Jun-21	
26		chromosome	1		14-Jun-21	
27		prokaryotic cell part 1	1		15-Jun-21	
28		prokaryotic cell part 2	1		17-Jun-21	
29	Digestion and Absorption	Digestive system (alimentary canal)-i	1	Zoology	18-Jun-21	28-Jun-21
30		Digestive system (alimentary canal)-ii	1		21-Jun-21	
31		Digestive glands-i	1		22-Jun-21	
32		Digestive glands-ii	1		24-Jun-21	
33		Digestion of food, absorption of food and disorders	1		25-Jun-21	
34	Cell cycle	Hormonal Control and Disorder	1	Botany	28-Jun-21	06-Jul-21
35		Introduction to cell cycle & cell division	1		29-Jun-21	
36		interphase	1		01-Jul-21	
37		mitosis	1		02-Jul-21	
38		Cytokinesis	1		03-Jul-21	
39		Meiosis - 1	1		05-Jul-21	
40		Meiosis - 2	1		06-Jul-21	
41	Breathing and Exchange of Gases	Introduction & respiratory organs	1	Zoology	08-Jul-21	15-Jul-21
42		Human respiratory system	1		09-Jul-21	
43		Mechanism of breathing and respiratory volumes & capacities	1		12-Jul-21	
44		Exchange of gases and transport of oxygen	1		13-Jul-21	
45		Transport of CO <sub>2</sub> , regulation of respiration and disorders	1		15-Jul-21	
46	Transport in plants	Significance of water in plants, diffusion, facilitated diffusion, active transport	1	Botany	16-Jul-21	26-Jul-21
47		Osmosis, OP,	1		17-Jul-21	
48		TP, WP, DPD, Water potential	1		19-Jul-21	
49		Imbibition, plasmolysis transpiration	1		20-Jul-21	
50		Potassium malate pump theory	1		22-Jul-21	
51		Root pressure, Guttation, Translocation of mineral ions	1		23-Jul-21	
52		Ascent of sap	1		24-Jul-21	
53		mass flow hypothesis	1		26-Jul-21	
54	Body Fluids and Circulation	Blood (formed elements and plasma)	1	Zoology	27-Jul-21	06-Aug-21
55		Blood groups, coagulation of blood and lymph	1		29-Jul-21	
56		Human circulatory system-i	1		30-Jul-21	
57		Human circulatory system-ii	1		02-Aug-21	
58		Cardiac cycle and ECG	1		03-Aug-21	
59		Double circulation, portal circulation, coronary circulation and blood vessels	1		05-Aug-21	
60		Regulation of cardiac activity and disorders	1		06-Aug-21	

61	Mineral nutrition	Hydroponics, essential elements	1	Botany	09-Aug-21	13-Aug-21
62		functional roles of nutrients, mineral deficiency symptoms,	1		10-Aug-21	
63		Toxicity of micronutrients, absorption of minerals	1		12-Aug-21	
64		Nitrogen cycle, biological nitrogen fixation	1		13-Aug-21	
65	Excretory Products and Their Elimination	Introduction & human excretory system (upto anatomy of kidney)	1	Zoology	16-Aug-21	26-Aug-21
66		Nephron structure	1		17-Aug-21	
67		Mechanism of urine formation	1		19-Aug-21	
68		Functions of the tubules and mechanism of concentration of the filtrate	1		20-Aug-21	
69		Regulation of kidney function	1		24-Aug-21	
70		Micturition, role of other organs in excretion and disorders	1		26-Aug-21	
71	Photosynthesis	Early experiments	1	Botany	27-Aug-21	10-Sep-21
72		Site of photosynthesis, photosynthetic pigments, absorption spectrum, action spectrum	1		31-Aug-21	
73		Light reaction, ETS, photolysis of water	1		02-Sep-21	
74		Cyclic and noncyclic photophosphorylation	1		03-Sep-21	
75		Calvin cycle	1		06-Sep-21	
76		photorespiration	1		07-Sep-21	
77		Krantz anatomy, C4 cycle	1		09-Sep-21	
78		Factors affecting photosynthesis	1		10-Sep-21	
79	Locomotion and Movement	Types of movement and muscle	1	Zoology	13-Sep-21	20-Sep-21
80		Structure of contractile proteins and muscle contraction	1		14-Sep-21	
81		Skeletal system-i (axial skeleton)	1		16-Sep-21	
82		Skeletal system-ii (appendicular skeleton)	1		17-Sep-21	
83		Joints and disorders	1		20-Sep-21	
84	Respiration	Do plants breathe, glycolysis	1	Botany	21-Sep-21	28-Sep-21
85		fermentation	1		23-Sep-21	
86		link reaction, Krebs cycle	1		24-Sep-21	
87		ETS, oxidative phosphorylation	1		25-Sep-21	
88		Respiratory balance sheet, amphibolic pathway, interrelationship among metabolic pathways showing respiration mediated breakdown of different	1		27-Sep-21	
89		Respiratory substrate Respiratory quotient	1		28-Sep-21	
90	Neural Control and Coordination	Neural system, human neural system	1	Zoology	30-Sep-21	18-Oct-21
91		Neuron and types of neuron	1		01-Oct-21	
92		Generation of nerve impulse	1		04-Oct-21	
93		Conduction of nerve impulse and synapse	1		05-Oct-21	
94		Central neural system-i (brain)	1		07-Oct-21	
95		Central neural system-ii (spinal cord)	1		08-Oct-21	
96		Reflex action, ans, cranial and spinal nerves	1		11-Oct-21	
97		Eye-i	1		12-Oct-21	
98		Eye-ii & ear-i	1		14-Oct-21	
99		Ear-ii	1		18-Oct-21	
100	Plant growth and development	Plant growth, growth is measurable, phases of growth,	1	Botany	21-Oct-21	01-Nov-21
101		growth rates, Conditions for growth	1		22-Oct-21	
102		Differentiation, dedifferentiation, redifferentiation, development	1		23-Oct-21	
103		Characteristics of plant growth regulators, discovery of plant growth regulators	1		26-Oct-21	
104		Physiological effects of PGRs	1		28-Oct-21	
105		Photoperiodism	1		29-Oct-21	
106		Vernalization, seed dormancy	1		30-Oct-21	
107		Seed germination	1		01-Nov-21	

108	<b>Chemical Coordination and Integration</b>	Introduction, hypothalamus	1	Zoology	02-Nov-21	<b>15-Nov-21</b>
109		Pituitary	1		08-Nov-21	
110		Thyroid, parathyroid and thymus	1		09-Nov-21	
111		Adrenal, pancreas	1		11-Nov-21	
112		Pineal, testis and ovary	1		12-Nov-21	
113		Hormones of heart, kidney and git & mechanism of hormone action	1		15-Nov-21	
114	<b>Living world</b>	What is living, characteristics of living beings	1	Botany	16-Nov-21	<b>22-Nov-21</b>
115		diversity in living world, Nomenclature, taxonomy, systematics	1		18-Nov-21	
116		taxonomic categories	1		20-Nov-21	
117		taxonomical aids	1		22-Nov-21	
118	<b>ANIMAL KINGDOM</b>	Kingdom animalia- basis of classification	1	Zoology	23-Nov-21	<b>06-Dec-21</b>
119		Phylum-porifera and coelenterata	1		25-Nov-21	
120		Phylum- ctenophora, platyhelminthes and aschelminthes	1		26-Nov-21	
121		Phylum- annelida and arthropoda	1		29-Nov-21	
122		Phylum- mollusca, echinodermata and hemichordata	1		30-Nov-21	
123		Phylum- phylum-chordata (upto protochordates)	1		02-Dec-21	
124		Subphylum-vertebrata (cyclostomata and pisces)	1		03-Dec-21	
125		Subphylum-vertebrata (amphibia, reptiles, aves and mammals)	1		06-Dec-21	
126	<b>Biological classification</b>	Kingdom classification systems	1	Botany	07-Dec-21	<b>21-Dec-21</b>
127		Monera -Characters of Monera, shapes of bacteria, importance of bacteria	1		09-Dec-21	
128		Bacterial respiration, nutrition, reproduction	1		10-Dec-21	
129		Archaeobacteria, mycoplasma, cyanobacteria	1		11-Dec-21	
130		Protista -General characters, chrysophytes, dinoflagellates, euglenoids	1		13-Dec-21	
131		Slime moulds, protozoans	1		14-Dec-21	
132		Fungi - General features, structural organization of fungi,	1		16-Dec-21	
133		reproduction in fungi Phycomycetes	1		17-Dec-21	
134		ascomycetes, basidiomycetes, deuteromycetes	1		18-Dec-21	
135		Virus- Discovery of virus, structure of virus, TMV, bacteriophage	1		20-Dec-21	
136		Viroid, prions, lichen, mycorrhiza	1		21-Dec-21	
137	<b>Biomolecules</b>	Introduction	1	Zoology	23-Dec-21	<b>06-Jan-22</b>
138		Carbohydrates-i	1		24-Dec-21	
139		Carbohydrates-ii	1		27-Dec-21	
140		Amino acids	1		28-Dec-21	
141		Proteins	1		30-Dec-21	
142		Lipids	1		31-Dec-21	
143		Nucleic acids	1		03-Jan-22	
144		Enzymes-i	1		04-Jan-22	
145		Enzymes-ii	1		06-Jan-22	
146	<b>Plant kingdom</b>	Classification systems, taxonomy	1	Botany	07-Jan-22	<b>17-Jan-22</b>
147		Algae- features, classification of algae, importance of algae	1		10-Jan-22	
148		Bryophytes - features, liverworts, mosses, Importance of bryophytes	1		11-Jan-22	
149		Pteridophytes- features, classification	1		13-Jan-22	
150		Gymnosperms	1		14-Jan-22	
151		Angiosperms- life cycle	1		15-Jan-22	
152		Life cycles and alteration of generation in plants	1		17-Jan-22	

153	Plant anatomy	Tissue, meristem	1	Botany	18-Jan-22	27-Jan-22
154		Simple permanent tissue	1		20-Jan-22	
155		Complex permanent tissue	1		21-Jan-22	
156		Tissue systems	1		22-Jan-22	
157		TS of root, stem, leaf	1		24-Jan-22	
158		Secondary growth in dicot stem	1		25-Jan-22	
159		Secondary growth in dicot root	1		27-Jan-22	
160	Morphology of flowering plants	Root	1	Botany	28-Jan-22	05-Feb-22
161		Stem	1		29-Jan-22	
162		Leaf	1		31-Jan-22	
163		Flowers	1		01-Feb-22	
164		Inflorescence, Fruits, seeds	1		03-Feb-22	
165		Technical description of a typical flowering plant	1		04-Feb-22	
166		Description of some important families	1		05-Feb-22	