



LECTURE PLAN FOR NEET_BIOLOGY (2021)

S.No.	Chapter Name	Topic Name	Lecture No.	Subject	Lecture Date	Completion Date	Holidays	
							Date	Occasion
1	Structural Organisation in Animals	Animal tissue (epithelial tissue)	1	Zoology	10 May, 21	22 May, 21	21-Jul-21	Bakre-id
2		Animal tissue (epithelial tissue)	1		11 May, 21		15-Aug-21	Independence Day
3		Animal tissue (connective tissue)	1		13 May, 21		22-Aug-21	Rakshabandhan
4		Animal tissue (connective tissue)	1		15 May, 21		30-Aug-21	Janamashtmi
5		Animal tissue (muscular tissue)	1		17 May, 21		02-Oct-21	Gandhi Jayanti
6		Animal tissue (neural tissue)	1		18 May, 21		15-Oct-21	Dussehra
7		Cockroach-i	1		20 May, 21		19-Oct-21	Eid-e-Milad
8		Cockroach-ii	1		21 May, 21		04-Nov-21	Diwali
9		Cockroach-iii	1		22 May, 21		5-Nov-21	Diwali
10		Overview of cell, cell theory	1		24 May, 21		10-Nov-21	Chhat Pooja
11		Eukaryotic cell, plasmambrane-1	1		25 May, 21		19-Nov-21	Guru Nanak Jayanti
12		plasmambrane	1		27 May, 21		25-Dec-21	Christmas Day
13		plasmambrane	1		28 May, 21		1-Jan-22	New Year
14		Transport across plasma membrane	1		31 May, 21		26-Jan-22	Republic Day
15		Transport across plasma membrane	1		1 Jun, 21		19-Mar-22	Holi
16		Ramachandran & Cell wall	1		3 Jun, 21			
17		Plasmodesmata, Pits, Ribosome and Mitochondria	1		4 Jun, 21			
18		Mitochondria and Plastid	1		5 Jun, 21			
19		Plastid	1		6 Jun, 21			
20		Endosymbionts in Cell, Endomembrane System	1		7 Jun, 21			

21	Cell Unit of Life	Functions of Endoplasmic Reticulum, Golgi Body	1	Botany	8 Jun, 21	17 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		Hormonal Control and Disorder	1		28 Jun, 21			
35	Cell cycle	Introduction to cell cycle & cell division	1	Botany	29 Jun, 21	8 Jul, 21		
36		interphase	1		1 Jul, 21			
37		mitosis	1		2 Jul, 21			
38		Cytokinesis	1		5 Jul, 21			
39		Meiosis - 1	1		6 Jul, 21			
40		Meiosis - 2	1		8 Jul, 21			
41	Breathing and Exchange of Gases	Introduction & respiratory organs	1	Zoology	9 Jul, 21	16 Jul, 21		
42		Human respiratory system	1		12 Jul, 21			
43		Mechanism of breathing and respiratory volumes & capacities	1		13 Jul, 21			
44		Exchange of gases and transport of oxygen	1		15 Jul, 21			
45		Transport of co ₂ , regulation of respiration and disorders	1		16 Jul, 21			
46		What is living, characteristics of living beings	1		19 Jul, 21			

47	Living world	diversity in living world, Nomenclature, taxonomy, systematics	1	Botany	20 Jul, 21	23 Jul, 21		
48		taxonomic categories	1		22 Jul, 21			
49		taxonomical aids	1		23 Jul, 21			
50	Body Fluids and Circulation	Blood (formed elements and plasma)	1	Zoology	26 Jul, 21	5 Aug, 21		
51		Blood groups, coagulation of blood and lymph	1		27 Jul, 21			
52		Human circulatory system-i	1		29 Jul, 21			
53		Human circulatory system-ii	1		30 Jul, 21			
54		Cardiac cycle and ecg	1		2 Aug, 21			
55		Double circulation, portal circulation, coronary circulation and blood vessels	1		3 Aug, 21			
56		Regulation of cardiac activity and disorders	1		5 Aug, 21			
57	Biological classification	Kingdom classification systems	1	Botany	6 Aug, 21	20 Aug, 21		
58		Monera -Characters of Monera, shapes of bacteria, importance of bacteria	1		7 Aug, 21			
59		Bacterial respiration, nutrition, reproduction	1		9 Aug, 21			
60		Archaeobacteria, mycoplasma, cyanobacteria	1		10 Aug, 21			
61		Protista -General characters, chrysophytes, dinoflagellates, euglenoids	1		12 Aug, 21			
62		Slime moulds, protozoans	1		13 Aug, 21			
63		Fungi - General features, structural organization of fungi,	1		14 Aug, 21			
64		reproduction in fungi Phycomycetes	1		16 Aug, 21			
65		ascomycetes, basidiomycetes, deuteromycetes	1		17 Aug, 21			
66		Virus- Discovery of virus, structure of virus, TMV, bacteriophage	1		19 Aug, 21			
67		Viroid, prions, lichen, mycorrhiza	1		20 Aug, 21			
68		Introduction	1		21 Aug, 21			
69		Carbohydrates-i	1		23 Aug, 21			
70		Carbohydrates-ii	1		24 Aug, 21			

71	Biomolecules	Amino acids	1	Zoology	26 Aug, 21	3 Sep, 21		
72		Proteins	1		27 Aug, 21			
73		Lipids	1		28 Aug, 21			
74		Nucleic acids	1		31 Aug, 21			
75		Enzymes-i	1		2 Sep, 21			
76		Enzymes-ii	1		3 Sep, 21			
77	Plant kingdom	Classification systems, taxonomy	1	Botany	4 Sep, 21	13 Sep, 21		
78		Algae- features, classification of algae, importance of algae	1		6 Sep, 21			
79		Bryophytes - features, liverworts, mosses, Importance of bryophytes	1		7 Sep, 21			
80		Pteridophytes- features, classification	1		9 Sep, 21			
81		Gymnosperms	1		10 Sep, 21			
82		Angiosperms- life cycle	1		11 Sep, 21			
83		Life cycles and alteration of generation in plants	1		13 Sep, 21			
84	Animal Kingdom	Kingdom animalia- basis of classification	1	Zoology	14 Sep, 21	24 Sep, 21		
85		Phylum-porifera and coelenterata	1		16 Sep, 21			
86		Phylum- ctenophora, platyhelminthes and aschelminthes	1		17 Sep, 21			
87		Phylum- annelida and arthropoda	1		18 Sep, 21			
88		Phylum- mollusca, echinodermata and hemichordata	1		20 Sep, 21			
89		Phylum- phylum-chordata (upto protochordates)	1		21 Sep, 21			
90		Subphylum-vertebrata (cyclostomata and pisces)	1		23 Sep, 21			
91		Subphylum-vertebrata (amphibia, reptiles, aves and mammals)	1		24 Sep, 21			
92		Root	1		25 Sep, 21			
93		Stem	1		27 Sep, 21			

94		Leaf	1		28 Sep, 21		
95		Flowers	1		30 Sep, 21		
96		Inflorescence, Fruits, seeds	1		1 Oct, 21		
97	Morphology of flowering plants	Technical description of a typical flowering plant	1		4 Oct, 21		
98		Description of some important families	1	Botany	5 Oct, 21	5 Oct, 21	
99	TERM 2						
100	Excretory Products and Their Elimination	Introduction & human excretory system (upto anatomy of kidney)	1		7 Oct, 21		
101		Nephron structure	1		8 Oct, 21		
102		Mechanism of urine formation	1		9 Oct, 21		
103		Functions of the tubules and mechanism of concentration of the filtrate	1		11 Oct, 21		
104		Regulation of kidney function	1		12 Oct, 21		
105		Micturition, role of other organs in excretion and disorders	1	Zoology	14 Oct, 21	14 Oct, 21	
106	Photosynthesis	Early experiments	1		16 Oct, 21		
107		Site of photosynthesis, photosynthetic pigments, absorption spectrum, action spectrum	1		18 Oct, 21		
108		Light reaction, ETS, photolysis of water	1		21 Oct, 21		
109		Cyclic and noncyclic photophosphorylation	1		22 Oct, 21		
110		Calvin cycle	1		23 Oct, 21		
111		photorespiration	1		25 Oct, 21		
112		Krantz anatomy, C4 cycle	1		26 Oct, 21		
113		Factors affecting photosynthesis	1	Botany	28 Oct, 21	28 Oct, 21	
114	Locomotion and	Types of movement and muscle	1		29 Oct, 21		
115		Structure of contractile proteins and muscle contraction	1		30 Oct, 21		
116		Skeletal system-i (axial skeleton)	1		1 Nov, 21		
117		Skeletal system-ii (appendicular skeleton)	1		2 Nov, 21		

118	Movement	Joints and disorders	1	Zoology	6 Nov, 21	6 Nov, 21		
119		Do plants breathe, glycolysis	1		8 Nov, 21			
120		fermentation	1		9 Nov, 21			
121		link reaction, Krebs cycle	1		11 Nov, 21			
122		ETS, oxidative phosphorylation	1		12 Nov, 21			
123		Respiratory balance sheet, amphibolic pathway, interrelationship among metabolic pathways showing respiration mediated breakdown of different	1		13 Nov, 21			
124	Respiration	Respiratory substrate Respiratory quotient	1	Botany	15 Nov, 21	15 Nov, 21		
125		Neural system, human neural system	1		16 Nov, 21			
126		Neuron and types of neuron	1		18 Nov, 21			
127		Generation of nerve impulse	1		20 Nov, 21			
128		Conduction of nerve impulse and synapse	1		22 Nov, 21			
129		Central neural system-i (brain)	1		23 Nov, 21			
130		Central neural system-ii (spinal cord)	1		25 Nov, 21			
131		Reflex action, ans, cranial and spinal nerves	1		26 Nov, 21			
132	Neural	Eye-i	1		27 Nov, 21			
133	Control and	Eye-ii & ear-i	1		29 Nov, 21			
134	Coordination	Ear-ii	1	Zoology	30 Nov, 21	30 Nov, 21		
135		Plant growth, growth is measurable, phases of growth,	1		2 Dec, 21			
136		growth rates, Conditions for growth	1		3 Dec, 21			
137		Differentiation, dedifferentiation, redifferentiation, development	1		4 Dec, 21			
138		Characteristics of plant growth regulators, discovery of plant growth regulators	1		6 Dec, 21			
139		Physiological effects of PGRs	1		7 Dec, 21			
140		Photoperiodism	1		9 Dec, 21			
141	Plant growth and	Vernalization, seed dormancy	1		10 Dec, 21			

142	development	Seed germination	1	Botany	11 Dec, 21	11 Dec, 21		
143	Chemical Coordination and Integration	Introduction, hypothalamus	1	Zoology	13 Dec, 21	20 Dec, 21		
144		Pituitary	1		14 Dec, 21			
145		Thyroid, parathyroid and thymus	1		16 Dec, 21			
146		Adrenal, pancreas	1		17 Dec, 21			
147		Pineal, testis and ovary	1		18 Dec, 21			
148		Hormones of heart, kidney and git & mechanism of hormone action	1		20 Dec, 21			
149	Plant anatomy	Tissue, meristem	1	Botany	21 Dec, 21	31 Dec, 21		
150		Simple permanent tissue	1		23 Dec, 21			
151		Complex permanent tissue	1		24 Dec, 21			
152		Tissue systems	1		27 Dec, 21			
153		TS of root, stem, leaf	1		28 Dec, 21			
154		Secondary growth in dicot stem	1		30 Dec, 21			
155		Secondary growth in dicot root	1		31 Dec, 21			
156	Transport in plants	Significance of water in plants, diffusion, facilitated diffusion, active transport	1	Botany	3 Jan, 22	13 Jan, 22		
157		Osmosis, OP,	1		4 Jan, 22			
158		TP, WP, DPD, Water potential	1		6 Jan, 22			
159		Imbibition, plasmolysis transpiration	1		7 Jan, 22			
160		Potassium malate pump theory	1		8 Jan, 22			
161		Root pressure, Guttation, Translocation of mineral ions	1		10 Jan, 22			
162		Ascent of sap, Water Absorption	1		11 Jan, 22			
163		mass flow hypothesis	1		13 Jan, 22			
164	Mineral	Hydroponics, essential elements	1		14 Jan, 22			
165		functional roles of nutrients, mineral deficiency symptoms,	1		15 Jan, 22			
166		Toxicity of micronutrients, absorption of minerals	1		17 Jan, 22			

167	nutrition	Nitrogen cycle, biological nitrogen fixation	1	Botany	18 Jan, 22	18 Jan, 22		
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