

Time: 3.00 hrs BIOLOGY

Marks: 35

Part - I Blo-Botany

	Section - A	8×1=8
1. A	choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.	
	choose the most appropriate answer from the given lour answer.	
n	choose the most appropriate answer from the given to answer. Ind write the option code and the corresponding answer. N. Which are considered as "Biological puzzle"	
. 1	Which are considered as "Biological puzzle" a) Virus b) Bacteria C) Fungi which of following represents gametophytic generation in pteridophytic generation a) Prothallus b) Thallus c) Cone	•
*	a) Virus b) Bacteria c) Fungi	es?
2	Which of following represents gametophytic generation " A) Rhizo	phore
	a) Prothallus b) Thallus c) Cone	
. 3	The fruit is a fertilized and ripened d) Polleng	orain
5	a) Ovule b) Ovary c) Anther redules containi	na
	a) Virus (b) Bacteria (c) Which of following represents gametophytic generation in pteridophytic generation in p	5
~	filamentous nitrogen fixing micro organisms.	á l
F 6 1 4	a) Crotalaria juncea b) Cycas revoluta	
	filamentous nitrogen fixing micro organisms. a) Crotalaria juncea b) Cycas revoluta c) Cicer arietinum d) Casuarina equisetifolia	
E	c) Cicer arietinum d) Casuallia oquanda () A quantasome is present in a) Golgi bodies b) Ribosomes c) Mitochondria d) Chloro a) Golgi bodies b) Ribosomes c) Mitochondria d) Chloro a) Figure 1 and 1 a	nlast
. 5	a) Goldi bodies b) Ribosomes c) Mitochondria d) Chiore	ondition
	a) Golgi bodies b) Ribosomes c) Mitochondria d) Chilored a) Golgi bodies b) Ribosomes c) Mitochondria d) Chilored in Grant and Chilored	,01.0
, 0	is known as	256
	is known as a) S phase b) G ₂ phase c) M phase d) G ₀ ph The compound which links glycolysis and Krebs cycle is c) acetyl CoA d) Citric	250
7	The compound which links glycolysis and Krebs cycle is	acid
	a) Succinic acid b) Fyruvic acid	acid
. 01	is the nowerful diowill illilloud	
0,	a) Ethanol D) CVIOKINIIIS	
j., k	Section - B	4×2=8
II An	swer any four questions:-	442-0
Ω\	N/hat is anical dominance?	
10)	Write the overall equation of photosynthesis	y: 50 5 60
441	M/hat is wood hotanically/	
•	- I I I II I II A - A A BA OF BICONSTORS VASCUICI UUNUUG.	
12)	Why do farmers plant leguminous crops in crop rotation/mixed cropp	ing?
13)		
	Section - C	3×3=9
III An	swer any Three questions. Q.No.19 is compulsory:	
151	Give a general account on lichens	
16)	Differentiate haplontie and diplontic life cycle.	- T. T.
17)	Write short notes about HVdroDonics.	
18)		- 43
19)	Draw and label the parts of Plant cell.	
19)	Section - D	
V And	wer all questions:-	2×5=10
V. Ans	a) Write the botanical description of Allium Cepa.	[or]
20)	b) How will you measure growth of the plant.	
241	a) Distinguish the anatomy of monocot stem from Dicot stem.	[or]
27)	b) Explain Glycolysis (or) EMP pathway.	[0.]
	n) Explain Glycolysis (UI) Elvir Patriway.	

XI BIOLOGY

Part - Il Bio-Zoology Marks: 35 Section - A I. Answer all the questions. 8×1=8 Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer. 1) What taxonomic aid gives comprehensive information about a taxon? a) Taxonomic key b) Herbarium c) Flora d) Monograph 2) Which is called as "Portugese man of war"? a) Physalia b) Meandrina c) Adamsia d) Pleurobrachia 3) Non-shivering thermogenesis in neonates produce heat through b) Brown fat a) White fat c) Yellow fat d) Colourless fat 4) Breathing is controlled by b) Cerebellum c) Medulla oblongata d) Pons a) Cerebrum 5) Which one of the following plasma proteins is involved in the coagulation of blood? a) Glabulia b) Fibrinogen c) Albumin d) Serum amylase 6) Acetabulum is located in a) Collar bone b) hip bone c) shoulder bone d) thigh bone 7) How many rod cells are present in the retina of man? a) 120 millions b) 6-7 million d) 6000-7000 c) 12000 8) Rearing of honey bee is called e c) Vermiculture a) Sericulture b) Lac culture d) Apiculture Section - B $4 \times 2 = 8$ II. Answer any four questions:-9) Name the respiratory organs of Phylum-Arthropata. 10) Where do you find chloragogen cells and what is its function? 11) List any two functions of Liver. 12) What is Electrocardiogram? 13) Predict the effects of removal of Pancreas from the human body. 14) What is Aquaponics? Section - C III. Answer any three questions. (Q.No.19 is compulsory) 15) Draw a neat labelled diagram of Human eye. (L.S) 16) What are surfactants? Write its function. 17) Name the three main hormones involved in the regulation of the renal function. Car of this stranger sin 18) Differentiate stifling and reeling. 19) What is Myopia? How this error can be corrected? Section - D IV. Answer all the questions:- * 2×5=10 20) a) Compare chordates and Non-Chordates. English p [[or]evens 4 b) Differentiate between male and female cockroach. a) Write the functions of skeletal system. b) Explain the life cycle of bombyx mori.