Note: (1) Answer all the question. (1) Choose the most suitable answer from the glore four alternatives and write the option code and the corresponding answer. Natch the following A) Zygotene - (1) Terminalisation (1) iii iv i i ii iv ii ii iii iv ii ii iii iv ii ii	Tim	e:3.00 Hrs B101	LOGY (BIO -	BOTANY)			M	arks : 70
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Identify the incorrect statement regarding enzymes. a) Enzymes are highly specific b) Enzymes lower activation energy of the reaction they catalyse Enzymes are polysaccharides d) Enzymes have an active site where the reaction takes place Many cells function properly and divide mitotically even though they do not have a) Plasma membrane b) Cytoskeleton c) Mitochondria Plastids Perianth is present in a) Ciltoria ternatea b) Datura metal colling and in a) Ciltoria ternatea b) Datura metal cytose of aestivation in Corolla. Identify the correct combination of labelling a) A - Valvate B - Twisted C - Vexillary D - Imbricate b) A - Vexillary B - Imbricate C - Twisted D - Valvate c) A - Vexillary B - Twisted C - Valvate D - Imbricate c) A - Vexillary B - Twisted C - Imbricate c) A - Vexillary B - Twisted C - Imbricate c) A - Vexillary and quisqualis are example of			iv) Synancie	-,	1	ii		iii
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	BIO - ZOOLOGY (Marks: 35)						
	Answer at Questions						
	Landey and spatializers the full owing characters						
	a Physiological and Biochemical (D Evolutionary and Phylogenetic						
	g Taxonomic and systematic d. None of the above						
	Match it						
	Column - Y						
	A Pila I Devil fish A a A-II B-I C-III D-IV B Dentalium I Chiton A 6 A-III B-IV C-II D-I						
	C Chaetopleura III Apple snail C A-II B-IV C-I D-III D Octobus V Tusk shell d A-IV B-III C-I D-II						
	The ciliated epithelium lines the a) Skin b) Digestive tract c) Gallbladder (d) Trachea						
4	Choose the wrong statement among the following:						
	a. In earthworm, a pair of male genital pore is present, b. Setae help in locomotion of earthworms.						
	Muscular layer in the body wall of earthworm is made up of circular muscles and longitudinal						
	muscles d. Typhlosole is part of the intestine of earthworms.						
5.	Assertion: (A) Large intestine also shows the presence of villi like small intestine.						
	Reason: (B) Absorption of water takes place in the large intestine.						
	a. Both A and B are true and B is the correct explanation of A						
	b. Both A and B are true but B is not the correct explanation of A						
	e A is true but B is false						
6.	CO2 is transported a. dissolved in blood plasma b. As carbonic acid						
	A person having both antigen A and antigen B on the surface of RBCs belongs to blood group						
7.							
	Angiotensinogen is a protein produced and secreted by a. Juxtaglomerular (JG) cells						
8.	- Francia colle of blood Vessels of IVel Cells						
	b. Macula densa cells $^{\circ}$ c. Endothelial cells of octor decodard and $^{\circ}$ control of the following questions: - Graph of a normal ECD $^{\circ}$ 4 x 2 = 8						
13	Answer any rour of the females						
9.	Write the name of the						
-	waves A.B.C.D and E with						
	W. S. Ja of holow digaram						
10.	How does the body make long-term adjustments when living at high altitude?						
11.							
12.	270 A room realises and the second second						
13.	and a district force and elastic confective tissue.						
14.	Which of the chordate characteristics do turillate						
	Answer a three of the following questions.						
	(question number 19 is compulsory).						
15.	List three features that characterise bony fishes.						
16.	What is the difference between a Zoo and a wildlife sanctuary? What is the difference between a Zoo and their functions						
17.	Write the classification of conhective tissue and these sounds produced?						
18.	What are the heart sounds? When and how are during respiration.						
19.	Sketch a flow cliait to show the pathway of since						
īV.	Answer all the decomposition (OR)						
20							
	a) Write the Rules of Norhentrature. b) Differentiate between male and female cockroaches? b) Differentiate between male and female cockroaches? (OR)						
21.							
	b) Write the Medicinolina and a state of the						