R	coll No	o. of Candidate:								
B	IOLO	OGY	(Inter	mediate Par	t-I, Clas	ss 11 th)	322 - (IV)	Paper I	(Group – I)
Ti	me:	20 Minutes	· · <u>O</u>	BJECTIVE		Code:	6467 GMT	01.	Marks: 17	7
N	ote: Y fi c	ou have four choice that circle in from the ircles will result in the aper and leave other.	ces for each on t of that ques n zero mark i	bjective type qu tion number. Us	nestion as a se marker o	A, B, C a or pen to	and D. The choice fill the circles. C	e which y	ou think is correct filling two or mo	r
1.	1 -	The example of	parasitic pla	nt is						
		(A) puccinia	((B) sun dew		(C)	cuscuta	(D)	pitcher plant	
	2 -	The surplus food	d in plants is	stored in						
		(A) photosynth	etic cells			(B)	collenchymato	us cells		
		(Ç) parenchyma					sclerenchymato	ous cells		
	3 -	Which of the fo	llowing grou	p includes the	largest nur	nber of	species?			
		(A) chordates	(1	3) arthropods		(C)	vertebrates	(D)	insects	
	4 -	John Hogg in 18	361 proposed	kingdom	for m	icroorga	anisms.			
		(A) monera					-	(D)	prokaryotae	
	5 -	The 16 elements					1000			
		(A) essential el						nts (D) in	nportant element	
	6 -	The bird's lungs			ed					
		` '	(•		(C)	peri-bronchi	(D)	parabronchi	
	7 -	Fungi grow best								
		(A) dry			•			(D)	cold	
	8 -	The genus which						(D)		
		(A) pinus		3) cycas		` '	crataegus		taxus	
	9 -	Which of the fol		, .) O + 4.770	
		(A) $CO_2 + H_2C$						+ CO ₂ (L	$O_2 + AIP$	
	10 -	Certain electron		2000	are effect			s (D)	gowan s	
		(A) virus		3) algae	41 41		microorganism		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	11 -	An enzyme and					-(
	10	(A) active site		binding site		` '	catalytic site	(D)	reaction site	
	12 -	Which of the follows:			an immun			(D)	T lumphocyte	
	10	(A) antibody The paired gill of		B) antigen	II abordate		B-lymphocite			
	13 -			B) fish	ii chordad				amphioxus	
	1.4	(A) rat The glucose form	,		dissolved	` '			ampinoxus	
	14 -	(A) glucofuran		3) ribofuranos			glucopyranose		ribopyranose	
	15 -	Which of the fol	,	·				(2)	пеоруганове	
	10 -	(A) conversion			or or orou		conversion of fi	brin to fil	orinogen	
		(C) exposure o					by platelets	01111 10 111		
	16 -	The bacteriopha					of placetons			
	10 -	(A) animal cell) plant cell		(C)	fungal cell	(D)	bacterial cell	
	17 -				is reduce	, ,		(-)		
	11-	(A) pyruvic ac			10 10 1000		glucose to pyr	uvic acid		
		(C) glucose to					glucose to CO			
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Time: 2:40 Hours SUBJECTIVE Marks: 68 Note: Section I is compulsory. Attempt any three (3) questions t (SECTION - I) 2. Write short answers to any EIGHT questions. $(2 \times 8 = 16)$ Why are lipids important to living organisms? ii - Why are enzymes considered as integral part of ribosomes? iii - How does enzyme accelerate the rate of metabolic reaction? iv - Why is catalytic region of active site necessary to enzyme? y - Write down two differences between spores and conidia. vi - What is parasexuality? vii - What is the importance of hook worm from parasitic point of view? viii - Differentiate between amniotes and anamniotes. Give example. ix - Define metameric segmentation. In which phylum is it found? x - Give two basic characteristics of chordates. xi - Define bioenergetics. Does it obey the law of thermodynamics? xii - What are accessory pigments? Give their role. 3. Write short answers to any EIGHT questions. $2 \times 8 = 16$ i - What is inductive method to formulate a hypothesis? Give an example. Define biome and community. Name any two structures / organelles which are common in plant cell, animal ce and prokaryotic cell. iv - Compare the cell wall of plant cell and a prokaryotic cell. y - Why diatoms are considered as major producer of an aquatic ecosystem? vi - Compare foraminiferans and actinopods. vii - Write down two characteristics of euglenoids. viii - Write down two characteristics of oomycotes. What is prothallus? Give its characteristics. ix x - What is overtopping in evolution of megaphyll leaf? What is electro cardio gram (ECG)? xii - Differentiate between open and close circulatory system. 4. Write short answers to any SIX questions. $(2 \times 6 = 12)$ i-What are prions? What are water blooms? iii - How constipation and diarrhea are caused? iv - How sundew shows its insectivorous activity? v - Define pyrosis. vi - What is myoglobin? vii - How air composition changes after breathing? viii - Why lungs collapse if gestation age is less than seven months? ix - In plants how respiration occurs in presence of light? (SECTION - II) Note: Attempt any three (3) questions from Section II. 5. (a) How is Biology important to control diseases in man? (4) (b) Describe lymphatic system. Also discuss its various functions. (4)6. (a) Describe importance of water for living organisms. (4)(b) Write down the characteristics of ascomycetes and importance of yeasts. (4)7. (a) For growth, maintenance and reproduction nutrients are necessary. How bacteria get them? (4)(b) Why sporophytes and gametophytes of plants alternate with each other? Give its significance. (4)8. (a) What is hepatitis? Describe its different types. (4)(b) Write down the role of water in photosynthesis. (4)9. (a) Discuss structure and functions of plasma membrane. (4)(4)(b) Describe digestion in stomach of man. 217-322-24000

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BIOLOGY