Roll N	lo. of Candidate	•					
BIOLOGY		(Interm	ediate Part-l	(, Class 11 th)	s 11 th) 322 - (IV)		(Group - I)
Time:	20 Minutes	OB	JECTIVE -	<u>Code</u>	: 6467 &# 1</th><th>· //</th><th>Marks: 17</th></tr><tr><th>Note: Y</th><th>You have four cho
ill that circle in fro
circles will result
paper and leave oth</th><th>ices for each objoint of that question in zero mark in</th><th>ective type quest
on number. Use n</th><th>tion as A, B, C a</th><th>and D. The choice fill the circles.</th><th>ce which y
Cutting or</th><th>ou think is correctilling two or mor</th></tr><tr><td>1. 1-</td><td>The example o</td><td>f parasitic plant</td><td>is</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) puccinia</td><td>(B</td><td>) sun dew</td><td>(C)</td><td>cuscuta</td><td>(D)</td><td>pitcher plant</td></tr><tr><td>2 -</td><td>The surplus foo</td><td>od in plants is st</td><td>ored in</td><td>_•</td><td></td><td></td><td></td></tr><tr><td></td><td>(A) photosynt</td><td>hetic cells</td><td></td><td>(B)</td><td>collenchymate</td><td>ous cells</td><td></td></tr><tr><td></td><td>(Ç) parenchym</td><td>natous cells</td><td>**</td><td>(D)</td><td>sclerenchymat</td><td>ous cells</td><td></td></tr><tr><td>3 -</td><td>Which of the fo</td><td>ollowing group</td><td>includes the larg</td><td>gest number of</td><td>species?</td><td></td><td></td></tr><tr><td></td><td>(A) chordates</td><td>s (B)</td><td>arthropods</td><td>(C)</td><td>vertebrates</td><td>(D)</td><td>insects</td></tr><tr><td>4 -</td><td>John Hogg in 1</td><td>861 proposed k</td><td>ingdom</td><td>for microorg</td><td>anisms.</td><td></td><td></td></tr><tr><td></td><td>(A) monera</td><td>(B)</td><td>Protista</td><td>(C)</td><td>plantae</td><td>(D)</td><td>prokaryotae</td></tr><tr><td>5 -</td><td>The 16 elemen</td><td>ts that occur in o</td><td>organisms are ca</td><td>alled</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>elements (B)</td><td></td><td>P. 4</td><td>common elem</td><td>ents (D) im</td><td>portant elements</td></tr><tr><td>6 -</td><td>The bird's lung</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) alveoli</td><td>` '</td><td>bronchi</td><td>(C)</td><td>peri-bronchi</td><td>(D)</td><td>parabronchi</td></tr><tr><td>7 -</td><td>0 0</td><td></td><td>A 101</td><td></td><td></td><td></td><td>997 999</td></tr><tr><td></td><td>` '</td><td>, (B)</td><td></td><td></td><td>hot</td><td>(D)</td><td>cold</td></tr><tr><td>8 -</td><td>The genus which</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) pinus</td><td>, ,</td><td>cycas</td><td></td><td>crataegus</td><td>` '</td><td>taxus</td></tr><tr><td>9 -</td><td colspan=8>Which of the following is produced by the reactions taken place in thylakoids? (A) CO<sub>2</sub> + H<sub>2</sub>O (B) NADP<sup>+</sup> + ADP (C) ATP, NADPH<sub>2</sub> + CO<sub>2</sub> (D) O<sub>2</sub> + ATP</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O<sub>2</sub> + ATP</td></tr><tr><td>10 -</td><td>Certain electron</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) virus</td><td></td><td>algae</td><td></td><td>microorganisr</td><td></td><td>_</td></tr><tr><td>11 -</td><td>An enzyme and</td><td>and the second</td><td></td><td></td><td>(</td><td></td><td></td></tr><tr><td></td><td>(A) active site</td><td></td><td>binding site</td><td>, ,</td><td>catalytic site</td><td>(D)</td><td>reaction site</td></tr><tr><td>12 -</td><td></td><td>ollowing is not a</td><td></td><td></td><td></td><td>(D)</td><td>m i i .</td></tr><tr><td></td><td>(A) antibody</td><td></td><td>antigen</td><td></td><td></td><td></td><td>T-lymphocyte</td></tr><tr><td>13 -</td><td>1 0</td><td></td><td>-</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) rat</td><td>` '</td><td>fish</td><td>,</td><td>•</td><td></td><td>amphioxus</td></tr><tr><td>14 -</td><td>-</td><td>rms a six corner</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(A) glucofura</td><td></td><td>ribofuranose</td><td></td><td>glucopyranose</td><td>(D)</td><td>ribopyranose</td></tr><tr><td rowspan=3>15 -</td><td></td><td>100</td><td></td><td></td><td></td><td>Ch 4. Ch</td><td></td></tr><tr><td colspan=3>(A) conversion of fibrinogen to fibrin</td><td></td><td>conversion of</td><td>norm to me</td><td>rinogen</td></tr><tr><td>(C) exposure</td><td></td><td>1 1 1</td><td></td><td>by platelets</td><td></td><td></td></tr><tr><td>16 -</td><td>7</td><td>age replicates o</td><td></td><td></td><td>£</td><td>(D)</td><td>haatamial aall</td></tr><tr><td></td><td>(A) animal ce</td><td>` ,</td><td>plant cell</td><td>` '</td><td>fungal cell</td><td>(D)</td><td>bacterial cell</td></tr><tr><td>17 -</td><td></td><td>following the f</td><td></td><td></td><td></td><td>hice citru</td><td></td></tr><tr><td></td><td></td><td>cid to acetyl-CC</td><td><i>)-</i>A</td><td></td><td>glucose to py</td><td></td><td></td></tr><tr><td></td><td>(C) glucose to</td><td>) lactic acid</td><td>6</td><td>(D)</td><td>glucose to CO</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>7</td><td></td><td></td><td>217-(IV</td><td>)-322-24000</td></tr></tbody></table>		

Time: 2:40 Hours SUBJECTIVE Marks: 68 Note: Section I is compulsory. Attempt any three (3) questions f (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. 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 cell and prokaryotic cell. iv - Compare the cell wall of plant cell and a prokaryotic cell. v - 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? xi - 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? 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

(Intermediate Part-I, Class 11th) 322

(Group - I)

BIOLOGY

		Minutes	OBJECTIVE				
	fill t	had aimala in front of that a	h objective type question a uestion number. Use marker rk in that question. Attem	er or pen to	o fill the circles. C	utting or	mining two or more
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2 -		solvent does not			1	(D)	1 A Division
	9.5		(B) benzene	(C) v	water	(D) ca	rbon tetrachloride
3		is not a member		• (0)		(D)	water snail
	((A) slug	(B) sea urchin		land snail	(D)	water shan
4	 [asported in the form of H	/		(F))	900/
	((A) 60%	(B) 70%	(C)	50%	(D)	80%
5		is not lipid.		/		(T))	rm altaga
		(A) oil	/	(C)	cholesterol	(D)	maltose
6	- '	The animal having intrac	2		C 1.	(D)	man
			(B) frog	(C)		(D)	man
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9		A	co-factor of an enzyme is	KHOWH as	·	(D)	apoenzyme
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1	7 -	(A) silver fish	(B) hag fish	(C)	cray fish	(D)	lampreys
		(1) 211 (1) IIII	(-)			218-	(II)-322-24000

(Intermediate Part-I, Class 11th) 322 - (II) Paper I (Group - II)

Roll No. of Candidate :

BIOLOGY

(Group - II)

218-322-24000