SAR		Roll No
1118 Warning:- Please write your Roll No. in the space	ce provided and sign.	Student
(Inter Part - I) (Session 2015-17 to 2	.017-19)	Paper (I)
Biology (Objective) Time Allowed: 20 minutes PAPER COD	E 2461	Maximum Marks:- 17
lime Allowed. 20 miliates	. n a 1D The chaice	which you think is correct; fill
Note:- You have four choices for each objective type question as that circle in front of that question number. Use marker or pen t	to fill the circles. Cutting or	filling two or more circles will
that circle in front of that question number. Use marker or pen that circle in front of that question. Write PAPER CODE, which result in zero mark in that question. Write PAPER CODE, which result in zero mark in that question write PAPER CODE, which have consequently otherwise the student	h is printed on this question	paper, on the both sides of the
result in zero mark in that question. Write PAPER CODE, whice Answer Sheet and fill bubbles accordingly, otherwise the student	will be responsible for the si	O 1
white correcting fluid is not allowed.		Q. 1
1) The number of species of insects are	(C) 15 5 0/	(D) 53.1 %
(A) 22.5 % (B) 17.6 %	(C) 15.5 %	(B) 3311 /1
2) Glycogen gives colour with iodine	(C) Dive	(D) Green
(A) Black (B) Red	(C) Blue	(<i>D</i>) 5.771
3) The optimum pH for sucrase enzyme is	(C) 4.90	(D) 4.83
(A) 450 (B) 5.10		
4) A group of ribosomes attached to mRNA is call	(C) Peroxisome	(D) Cytosome
(A) Nucleosome (B) Polysome		
5) Solanum melangena is scientific name for	(C) Brinjal	(D) Tomato
(A) Onion (B) Potato	(C) Dinijus	
6) A cube of 8 cocci is termed as (A) Tetrad (B) Sarcina	(C) Streptococcus	(D) Diplococcus
(A) Tetrad (B) Sarcina		
7) The protozoans having two kinds of nuclei are (A) Amoeba (B) Zooflagellates	(C) Ciliates	(D) Actinopods
8) Parmelia is an example of (A) Fruticose lichen (B) Foliose lichen	(C) Crustose lichen	(D) Moss lichen
9) Whisk ferns belong to sub-division. (A) Lycopsida (B) Pteropsida	(C) Sphenopsida	(D) Psilopsida
(A) Lycopsida (B) Pteropsida 10) Mammals became dominant in a period.		
(A) Devonian (B) Silurian	(C) Coenozoic	(D) Jurassic
11) Only left aortic arch is present in		(D) Mammala
(A) Rirds (B) Cockroach	(C) Crow	(D) Mammals
12) The dark reaction for photosynthesis occurs in	n	(D) Cytoplasm
(A) Chloroplast (B) Stroma	(C) Grana	(D) Cytopiasiii
13) In respiratory chain NADH is oxidized by	(G) (C) (-1	(D) Cyto a_3
(A) Coenzyme Q (B) Cytochrome b	(C) Cytochrome a	(b) Cyto u_3
14) pH of fresh saliva of human is about		(D) 0
(A) 6 (B) 7	(C) 8	(D) 9
15) Number of spiracles in cockroach is		(D) 10
(A) 8 (B) /	(C) 9	(D) 10
16) Cuticular transpiration takes place at	(0) [(D) Noon
(A) Night (B) Morning	(C) Evening	(D) Noon
17) Antibodies are produced from	(C) Managetes	(D) Lymphocytes
(A) Eosinophils (B) Basophils	(C) Monocytes	(2) =
	₁₈ 12000 (1)	•
1175A - 11	18 12000	

SAR.

(Session 2015-17 to 2017-19) (Subjective) Maximum Marks: 68 Time Allowed: 2.40 hours (Inter Part - I) Section ----- I Answer briefly any Eight parts from the followings: $8 \times 2 = 16$ 2. What is Hydroponic culture technique? Give its use. . (i) What is Bioremediation? Give example. (iii) Define Species. (ii) Differentiate between Apoenzymes and Holoenzymes. (iv) What are enzymes? Give their importance. (vi) What are enzyme inhibitors? Give their example. (v) Differentiate between endomycorrhizae and ectomycorrhizae. (vii) What are Lichens? Give their importance. (ix) Differentiate between spiral and Radial cleavage. (viii) (xi) What is Placenta? Write down its function. Give importance of Sponges. (\mathbf{x}) What is swim bladder? Give its function. (xii) Answer briefly any Eight parts from the followings:- $8 \times 2 = 16$ 3. Differentiate between Eubacteria and Archaeobacteria. (i) Define Foraminiferans. Give their importance. (ii) (iv) What are Chlorophytes? Give example. (iii) What are water molds or oomycotes? What is Trypanosoma? Name the disease caused by it. (v) Define Alternation of generation. (vii) What are paraphyses? (vi) (ix) What are Bacteriochlorophylls? Define Bioenergetics. (viii) (xi) What are Macrophagous Feeders? Define Symbiotic Nutrition with example. (\mathbf{x}) Differentiate between obligate and Facultative Parasites. (xii) $6 \times 2 = 12$ Answer briefly any Six parts from the followings:-4. (i) What is division of labour? (ii) What is role of centriole? What are nucleohistones? (iv) Give role of respiratory pigments. (iii) What are spiracles? Give total number of spiracles in cockroach. (v) Give composition of inhaled and exhaled air. (vii) What are alveoli? Give their function. (vi) (ix) Define ECG. How stomata open? Give one method? (viii) Section ----- Il $(8 \times 3 = 24)$ Note: Attempt any three questions. Describe biological organization at organ-system level. 5. (a) Discuss lymphatic system of man. (b) Write a note on primary and secondary structure of proteins. 6. (a) Draw and label the life cycle of Rhizopus. (b) 7. Describe structure and function of chloroplast. (a) Write down process of digestion in cockroach. (b) 8. Describe life cycles at Bacteriophages (labelled diagrams). (a) Draw the sketch of glycolysis (No description) (b) 9. Explain physical methods of Control of bacteria. (a) Write down the adaptations of bryophytes toward the land habitat. (b) **1176A**-- 1118 -- 12000

Warning:- Please, do not write anything on this question paper except your Roll No.