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1110 Wa	rning: Dlagge write v	our Roll No. in the space	provided and sign.	Roll No
	iter Part – I)	(Session 2015-17 to 20)	r	
Biology (O		(Bession 2010 1. to 20		Paper (I)
		PAPER CODE	2467	Maximum Marks:- 17
Time Alloy	wed:- 20 minutes			which you think is correct; fill
that aircle in	front of that question nur	nher Use marker or pen to	fill the circles. Cutting or fi	lling two or more circles will
14 in	mark in that quartien W	rite PAPER CODE which	is printed on this question b	aper, on the both stacs of the
Answer Shee	et and fill bubbles according	igly, otherwise the student wi	ill be responsible for the situ	ation. Use of Ink Remover or Q. 1
white correct	ting fluid is not allowed.	of air romains in the lun	age of	Q. 1
		of air remains in the lun (B) Amphibian	(C) Birds	(D) Reptiles
	Mammals nticels are aerating por		(C) Dilus	(2) 111
	Bark	(B) Epidern	(C) Endodermis	(D) Pericycle
	en circulatory system			
		(B) Cockroach	(C) Earthworm	(D) Leach
	ernal morphology is al	AU TE		
(A	) Physiology	(B) Anatomy	(C) Histology	(D) Palaeontology
5) Ho	ow much is energy use	d for synthesis of 10 g gl	ag se	(D) 017 ( V 1
(A	) 517.6 Kcal	(B) 617.6 Kcal	(C) 17.6 Kcal	(D) 817.6 Kcal
		involved in protein synth	esis are integral part of	(D) Pihasames
	) Chromosomes	(B) Peroxisomes	(C) Lysosomes	(D) Ribosomes
		detoxified in the liver cel	(C) Golgi complex	(D) Nucleolus
(A	) Mitochondria	(B) Endoplasmic reticulums	(C) Goigi complex	(D) Macrobias
8) C	ncomerc are cubunits	which form capsid of a v	virion. These capsomeres	are chemically
	Lipids	(B) Nucleic acids	(C) Carbohydrates	(D) Proteins
9) W	hen cocci divide in the	ree planes and form cube		ed
	A) Sarcina	(B) Tetrad	(C) Diplococci	(D) Streptococci
	elomyxa Palustris is co	ommonly called		
(A	A) Entamoeba	(B) Trypanosoma	(C) Trichonympha	(D) Giant amoeba
11) Se	ome fungi are used to	control environmental po	ollution, the process is ca	(D) Hadrononio
	A) Biological control		(C) Bioremediation	(D) Hydroponic
	fter fertilization ovule		(C) Fruit	(D) Flower
(A	A) Ovary	(B) Seed flatworm with a ciliated		
	A) Tape worm	(B) Liver fluke	(C) Blood fluke	(D) Planaria
		eveloped lungs are called		(-)
,	A) Dipnoi	(B) Asterias	(C) Thaliacea	(D) Leptocardii
15) D	ark reactions of photo	synthesis occur in which		
(4	A) Inner membrane	(B) Grana	(C) Intergrana	(D) Stroma
16) Îr	the absence of oxyge	n, yeast cells obtain ener	gy by fermentation, pro-	ducing $CO_2$ , ATP and
	A) Acetyl.Co-A	(B) Ethanol	(C) Lactate	(D) Pyruvate
	Which of the following	is a parasitic plant?		(D) (C
(4	A) Drosera	(B) Dionea	(C) Cuscuta	(D) Sarracenia
		1105	(1)	
		1195 - 1119	16500	

Warning:- Please, do not write anything on this question paper except your Roll No. 1119 Paper (I) (Session 2015-17 to 2018-20) (Subjective) Biology Maximum Marks: 68 (Inter Part - I) Time Allowed: 2.40 hours Section ----- I  $8 \times 2 = 16$ Answer briefly any Eight parts from the followings:-2. Differentiate between amyloses and amylopectins. (i) How prosthetic group is different from co-enzyme. (iii) Define co-factor and activator. (ii) What is lock and key model of enzyme? (iv) What is hypha? How unseptate hyphae are advantagous? (v) How composition of fungus cell wall is advantageous to fungi? (vi) Define radial symmetry and bilateral symmetry. (viii) Give two characters of deuterosomes. Define mesoglea and spongocoel. (x) Differentiate between infestation and disinfestation. (vii) (ix) Mention two differences between photosynthesis and respiration. (xi) How chlorophyll 'a' is different from chlorophyll 'b'? (xii)  $8 \times 2 = 16$ Answer briefly any Eight parts from the followings:-3. Define parasitology. (ii) What is community. Give two interactions among organisms of a community. (i) Define cell theory. Give its salient features. (iv) Write function of cytoplasm. (iii) Differentiate between Actinopods and Foraminiferans. (v) Why it is generally accepted that plants arose from ancestral green algae. (vi) Write symptoms of Malaria and their cause. (vii) Name one Zooflagellate that lives as symbiont and other as parasite causing disease. (viii) Differentiate between microphyll and megaphyll. (ix) What are arthrophytes. Why they are called so. (x) What are Platelets. Give their functions. (xii) How heart sound is produced. (xi)  $6 \times 2 = 12$ Answer briefly any Six parts from the followings:-4. Define virology. (ii) Differentiate between Lag and Log phase. (iii) What is peristalsis? (i) What is bolus? (v) What is botulism, give its cause and symptoms. (iv) What are the causes of asthma. (vi) Give carbon dioxide concentration in arterial and venous blood. (vii) What is myoglobin? Give its role. (ix) What are bronchi and bronchioles. (viii) Section ----- II  $(8 \times 3 = 24)$ Note: Attempt any three questions. Discuss importance of Biology in the field of food production. 5. (a) Define immunity? What are its various types? (b) Describe importance of carbon in the skeleton of life. 6. (a) Write a note on Ascomycota. (b) Describe growth and reproduction in bacteria. 7. (a) Give economic importance of family Poaceae.

Write a detailed note on different types of hepatitis.

Describe ingestion, digestion absorption and egestion in hydra.

**1196**-- 1119 -- 16500

Describe the non-cyclic photophosphorylation.

Give structure and function of nucleus.

(b)

(a)

(b)

(a)

(b)

8.

9.