LHR-G1-11-18

Roll No _ BIOLO C Q.PAPEF	218-(R – I (Objective Type)	by the candidate) (INTER PART – I) GROUP – I ER CODE = 646)		red: 20 Minutes		
fi tv	our possible answers A, B, C and D II that circle in front of that question wo or more circles will result in zero	on with Marker or I mark in that question	Pen ink in the a	nswer-book.			
1-1	A group of similar cells that per	form similar funct	ion is called	:			
	(A) Organ (B)		C) System	(D)	Organelle		
2	Covalent bond between two mo	nosaccharides is ca	alled:				
	(A) Glycosidic bond (B) Peptide bond					
	(C) Hydrogen bond (D) Ester bond					
3	Optimum pH for action of panc	reatic lipase is:	5 1983K		43		
	(A) 3.00 (B) 5	5.00	C) 7.00	(D)	9.00		
4	De Duve discovered cell organe	elle :					
	(A) Mitochondria (B) I	ysosome (C) Plastids	(D)	Golgi complex		
5	Which one is not a viral disease	:	A10				
	(A) Cow pox (B) N	Mumps ((C) Tetanus	(D)	Measles		
6	Mesosomes are internal extension	ons of:					
	(A) Cell wall (B) Cell mem	brane (C) Golg	gi complex	D) Endople	asmic reticulum		
7	Amoeba moves and obtains foo	d by means of:					
	(A) Flagella (B) P	seudopodia (C) Flexing	(D)	Cilia		
8	Parasitic fungi directly absorb n						
	(A) Haustoria (B) R	oots (C) Rhizoids	(D)	Gametangia		
9	In psilopsida sporangia are prod	luced at :			, -, -, -, -, -, -, -, -, -, -, -, -, -,		
	(A) Tips of branches (B)	In the axils of br	anches				
	(C) Margins of leaves (D) Axils of leaves						
10		pigment is present	called :				
	(A) Haemoglobin (B) H	Iaemoerythrin (C) Prothomb	oin (D)	Haemocyanin		
11	Cartilaginous fishes contain sca	· · · · · · · · · · · · · · · · · · ·			*		
	(A) Placoid (B) C	Cycloid (C) Ganoid	(D)	Ctenoid		
12							
	M-030 334 0.0 Marga 100 M W W - 5000000 1350 1001 1	C ₂ pathway ((C) C ₄ pathv	vay (D)	C ₅ pathway		
13	Oxygen released during photosy						
	(A) Water (B) ((C) Glucose	(D)	Chlorophyll		
14			<u> </u>		Споторнул		
	(A) Predators (B) I		(C) Parasite		Hosts		
15	During photorespiration glycine		` '	3 (D)	110363		
			(C) Chlorop	slagt (D)	Ribosome		
16	<u> </u>	· · · · · · · · · · · · · · · · · · ·	(C) Chlorol	/1031 (D)	Idoosomo		
			(C) $2-4\%$	(D)	2 – 5%		
17	Passive immunity is developed		(C) 2 4/0	(1)			
1 ,	1 assire miniming is developed	of milestine .					

(A) Vaccine

(B) Serum

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(C) Antiserum

(D) Antibiotics

Roll No (To be filled in by the candidate) (Academic Sessions 2015 – 2017 to 2017 – 2019) BIOLOGY - 218-(INTER PART – I) Time Allowed: 2.40 hours PAPER – I (Essay Type) GROUP – 1 Maximum Marks: 68					
2. Wr (i) (ii) (iii) (iv) (vi) (vii) (viii) (ix) (x) (xii)	SECTION – I Tite short answers to any EIGHT (8) questions: Differentiate between anatomy and morphology. Define ecosystem with an example. Differentiate between procariotique and eucariotique. Differentiate between substrate and active site of enzymes. Define feed back inhibition of enzymes with diagram. What is induce fit model of enzyme action, who proposed it? Differentiate between oligochaeta and polychaeta. What is meant by arachnida, give its two features? Differentiate between gastropods and cephalopods. What is regeneration, give its importance? What is meant by parasexuality, give its importance? Differentiate between conidiphores and coenocytic hypha.	16			
3	grands Strandson train and All Mark	16			
(i) (ii) (iii) (iv) (v) (vi) (viii) (viii) (xii) 4. Wr (i) (iii) (iii) (iv) (vi) (vii) (viii)	Write down four postulates of germ theory of diseases by Robert Koch. Write four important features of algae. What are diatoms? Write their importance. What are the red tides? How they are formed? What are the apicomplexans? What are the fronds? Write botanical name of two plants belong to family solanaceae. Write photolysis of water in photosynthesis. What is Z-scheme of phosphorylation? Write the role of human pancreas in digestion. What are the piles? Differentiate between obligate parasite and facultative parasite.	12			
	SECTION – II				
Note:					
	Write a note on population and community level of biological organization.	4 4			
32 32	Give an account of acylglycerols. Write down economic losses due to fungi.	4 4			
7. (a) (b)	Define cell membrane. Explain its functions. Write a note on digestion in amoeba.	4 4			
8. (a) (b)	Write a note on small-pox and polio. Sketch Krebs Cycle. (No description)	4			
	Describe structure and reproduction in Nostoc.	4			
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LHR-G2-11-18

Roll No BIOLO	Time Time 2. 20 Williams
Q.FAFEI	R-I (Objective Type) GROUP - II Maximum Marks: 17 PAPER CODE = 6468
Note: F	our possible answers A, B, C and D to each question are given. The choice which you think is correct
fi	If that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling
1-1	vo or more circles will result in zero mark in that question. Thalassaemia is also called:
	(A) Cooley's anaemia (B) Thomas anaemia
	(C) Peter's anaemia (D) Mendl's anaemia
2	All fungal nuclei are haploid except for transient diploid:
	(A) Spores (B) Zygote (C) Conidia (D) Zygospores
3	The single stranded RNA-tumor viruses are:
	(A) Spherical (B) Elongated (C) Spiral (D) Cubical
4	The asexual reproduction in sponges is by:
	(A) Binary fission (B) Transverse fission (C) Budding (D) Parthenogenesis
5	An ovule is an integumented in dehiscent:
	(A) Microsporangium (B) Megasporangium (C) Sporangium (D) Seed
6	Hydrogen bonds between adenine and thymine are:
	(A) Three (B) Four (C) Five (D) Two
7	The heart of fishes is:
	(A) Single circuit (B) Double circuit
	(C) Triple circuit (D) Multi circuit
8	When cocci occur in pairs, their arrangement is:
	(A) Tetrad (B) Diplococcus (C) Sarcina (D) Streptococci
9	Chloroplasts has a double membranous envelope that encloses dense fluid filled region
	known as:
	(A) Matrix (B) Stroma (C) Thylakoid (D) Granum
10	The bioelements which account for 99% of the total mass in the human's body are:
	(A) Four (B) Six (C) Eight (D) Three
11	Ascaris lumbricoides is an intestinal parasite of :
	(A) Horse (B) Man (C) Donkey (D) Monkey
12	An enzyme reacts only with its specific:
	(A) Surface (B) Product (C) Substrate (D) Inhibitor
13	
	(A) Blood cancer (B) Thalassaemia (C) Odema (D) Hepatitis
14	Thylakoid membranes are involved in ATP synthesis by a process known as:
	(A) Photolysis (B) Glycolysis (C) Chemiosmosis (D) Redox process
15	The enzyme that digest carbohydrates are:
16	(A) Lipase (B) Amylase (C) Pepsin (D) Erypsin The classification of algae into phyla is largely based on the composition of:
17	(A) Cell wall (B) Cell membrane (C) Cytoplasm (D) Pigments Robert Hooke reported his work in his famous publication known as:

(D) Britanica

(C) Zoologia

(A) Micrographia

(B) Biologia

Roll No BIOLO PAPER		
(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi)	ite short answers to any EIGHT (8) questions: Differentiate between micromolecules and macromolecules. Differentiate between gene therapy and chemotherapy. What is effect of changed pH on the working of enzymes? Differentiate between competitive and non-competitive inhibitors. What is meant by optimum temperature? Give an example. Write down biological classification of corn. Differentiate between ascus and basidium. What are toad stools? Give example. What is diaphragm? In which group of animals it is found? Differentiate between coelomates and acoelomates. Differentiate between diploblastic and triploblastic animals. Write down affinities of echinoderms with hemichordates.	16
	MARKETARY FAMILY STREET ST	16
(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi) (xii)	Differentiate between amphitrichous and peritrichous bacteria. Write down the importance of algae. Write down evolutionary significance of euglenoids. How flagellates obtain food? Write down the ecological role of dinoflagellates. Differentiate between microgametophyte and megagametophyte. Define circinate vernation. Give an example. Differentiate between photophosphorylation and oxidative phosphorylation. Define alcoholic fermentation. Write its equation. How Sundew (Drosera) shows/* insectivorous activity? Differentiate between intracellular and extracellular digestion. Enlist the enzymes of digestive juice of pancreas with their function. ite short answers to any SIX (6) questions: Define autophagosome. What is resolution of human eye and electron microscope? Write structural formula of ribofuranose and glucopyranose. What do you know about bleeding in plants? What is cell-mediated and humoral immune response? What is the rate of breathing at rest and during exercise? Differentiate between bronchi and bronchioles. What is diving reflex?	12
Note:	Attempt any THREE questions.	
5. (a) (b)	How biology has helped mankind in construction of environment?	4
6. (a) (b)	Write a note on ascomycota.	4
7. (a) (b)		4
8. (a) (b)		4 4
9. (a) (b)		4