## **Examination October 2020**

B.Sc. F.Y (Sem-I)

## 2172 Zoology Paper-II Cell Biology

Time: One Hour Max. Marks: 25

instructions

• solve any 25 questions.

(A)absence of DNA (B)absence of nucleus (Chabsence of RNA (D)absence of cell wall 2 The region in prokaryotic cell wither count (B) (B) (Churcleus) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	1 Which of the following is the typica	I feature of a prokaryotic cell?			
7		• •	(C)absence of RNA	(D)absence of cell wall	
A) muckpostpasm   B) muckpost   B) muckpos	` '		, ,	(-)	
Robin Some sin prokaryotic cells are (A)80 S (B)70 S (C)80 S 40 S (D)50 S (D)50 S 40 S (D)50 S 40 S (D)50 S 40 S (D)50 S 40 S (D)50 S (D)		-	•	(D)protonucleus	
Substant chromosomal self-replicating discincular DNA molecules present in bacteria are called (A)pelsinemes (B)plasmid (C)plastid	3 Ribosomes in prokaryotic cells are	, ,			
Substant chromosomal self-replicating discincular DNA molecules present in bacteria are called (A)pelsinemes (B)plasmid (C)plastid	. ,	(B)70 S	(C)60S + 40 S	(D)50S + 40 S	
A   Paper   Comment   Co	` '				
6. The membranous infolding which is thought to be the site of DNA replication in bacteria is called   Applaamids   Beneficiation in bacteria is made up of	·	•		(D)extra chromosomes	
A) plasmids   B) puckerids is made up of Chapterids (B) peptidoglycan   Claphospholipids   Claphospho	` ' '	` ''	( //		
S The cell wall of eubacteria is made—up of (A)cellulose	·			ilia(D)	
A)ceallulose   B)septidoglycan   C)cybospholipids	. , ,	` '		( )F	
7. The extracellular appendage which helps in movement in bacteria (A)pill (B)agella (B)flagella (C)flagellin (D)capsule (D)capsule (B)capsule (C)capsule	(A)cellulose	(B)peptidoglycan	(C)phospholipids	(D)chitin	
A)pin   (B)flegella (C)tlegellin (C)tlegellin (C)tlegellin (C)tlegellin (C)tlegellin (C)tlegellin (B)tlegellin (B)tlegel	` '			,	
Sextremely fine extracellular structures involved in cell to cell contact is (A)flagelial (B)cilian (B)cilian (C)pili (D)spinae (A)flagelial (B)cilian (B)cilian (C)cilian (C)		•	(C)flagellin	(D)capsule	
A) Itagella   (B) cilia   (C) pill   (D) spinae	, ,,	( )	( )	. , .	
9 In some bacteria, there is a slimy layer outside to cell wall considered as virulence factor is called (A)capsule (B)plasmid (C)outer layer (D)fimbriae  (A)Absence of nucleus (B)Absence of cell organelles (C)Presence of 70S ribosomes (D)All of the above  11 This is not the function of plasma membrane (A)Energy transduction (B)Intercellular interactions (C)Responding to external stimul segregation  12 In the plasma membrane, carbor/bytrates  (A)always faces outwards, towards (B)Airceled to all sides in the extracellular space (C)Airceled to the plasma emerbrane (A)Airceled to the predicted, it varies (B)Airceled to all sides in the extracellular space (C)Airceled to all sides in the extracellular space (C)Airceled to all sides in the plasma membrane (B)Airceled to all sides in the extracellular space (C)Airceled to all sides in the extracellular space (D)Airceled to all sides in the extracellular space (C)Airceled to all sides in the extracellular space (D)Airceled to all sides in the extracellular space (D)Airceled to all sides in the extra			(C)pili	(D)spinae	
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23 Inner membrane of mitochondria is rich in phospholipid  (A)phosphatidylserine (B)phosphatidylinositol (C)phosphatidylcholine (D)cardiolipin	(A)mitochondrial DNA is known as	(B)mitochondria is the powerhouse of	(C)mitochondria is the site for calvin	(D)mitochondria is the site for krebs	
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	23 Inner membrane of mitochondria is	rich in phospholipid			
	. ,	(B)phosphatidylinositol	(C)phosphatidylcholine	(D)cardiolipin	

## **Examination October 2020**

(A) simple single stranded circular DNA(B) simple double stranded circular (C)Simple double stranded linear DNA (D)Simple single stranded linear DNA molecule DNA molecule molecule molecule 25 Inner mitochondrial membrane has (A)cytochrome oxidase complex (B)b-c 1 complex (C)NADH dehydrogenase complex (D)all of the above 26 This is not a function of mitochondria (A)fatty acid breakdown (C)Electron transport chain and (D)Glycolysis and associated ATP (B)non-shivering thermogenesis associated ATP production production 27 This statement is incorrect about mitochondrial membrane (A)outer membrane is permeable to all (B)outer membrane is resembles a (C)outer membrane embeds enzymes (D)none of these molecule types of electron transfer chain sieve 28 Oxysomes of F0-F1 particles take place on (A)Chloroplast surface (B)Thylakoid (C)Inner mitochondrial membrane (D)Mitochondrial surface 29 Pick the incorrect statement (A)Generally, chloroplasts are larger (B)Mitochondria and chloroplasts both (C)Mitochondria and chloroplasts both (D)Mitochondria and chloroplasts both have an internal compartment, the than mitochondria have DNA contain an outer and inner membrane thylakoid space bound by thylakoid membrane

(A)grana (B)thylakoids (C)cristae (D)lamellae