Nages) Reg. No.:		phospholipids?	
ae No. : 10608 F	Sub. Code : SAMI21/		(a) Mitochondria
			(b) Cytoplasm
	AAMI21/CAMI21		(c) Endoplasmic reticulum
CBCS) DEGREE EXAMINATION, APRIL 2022.			(d) Smooth endoplasmic reticulum
		4.	Which of the following is a single membrane bound organelle?
Second Semester			(a) Vacuole
Microbiology - Allied			(b) Golgi apparatus
GENERAL BIOLOGY			(c) Endoplasmic reticulum
For those who joined in July 2017 onwards)			(d) All of the above
Three hours Maximum: 75 marks		5.	Binary fission in bacteria does not involve.
PART A — $(10 \times 1 = 10 \text{ marks})$		((a) Spindle formation (b) DNA duplication
Answer ALL questions.			(c) Cytokinesis (d) Cell elongation
		6.	is a form of cell division which results
Shoose the correct answer: Sacterial capsule is chemically composed of.			in the creation of gametes or sex cells.
a) Polypeptide	(b) Polysaccharides		(a) Mitosis (b) Meiosis
a) Polynucleotide	• • •		(c) Both (a) and (b) (d) None of the above
Aesosomes are the part of		7.	gives colour to flower and fruits?
a) Plasma membrane			(a) Endoplasmic reticulum
b) Ribosomes			(b) Plastids
c) Endoplasmic reticulum			(c) Golgi bodies
d) Golgi apparatus			(d) Cell wall
			Page 2 Code No.: 10608 E
"Ragi" is very rich in		12.	(a) Explain the structure and functions of.
(a) Zinc (b) Iodine		and other \$	(i) Mitochondria.
(c) Iron	(d) Phosphorus		(ii) Golgi apparatus.
· /			\mathbf{Or}
Chordates are distinguished from non-chordates by the presence of.			(b) Describe the structure and functions of.
(a) Ventral nerve cord			(i) Eukaryotic ribosomes.
		(ii) Nucleus.	
			(a) Write about endospore formation in bacteria
•	a norman cond	10.	with neat diagram.
(d) Dorsal tubula	r nerve cord		Or
Silk is produced by.			(b) What is Meiosis? Explain the important
(a) Cocoon(b) Adult moth(c) Larva			stages in Meiosis I.
		14.	(a) Write about adaptations in xerophytes and hydrophytes.
		J. *#•	
(d) Larva and adult moth			Or
PART B — $(5 \times 5 = 25 \text{ marks})$			
aswer ALL questions, choosing either (a) or (b).			(b) With neat diagram explain the ultra structure of plant cell.
each answer should not exceed 250 words.			
(a) Explain the structure and functions of		15.	(a) List out the general characteristics of vertebrates.

Reg. No.:....

- nages)

bacterial capsule.

Or

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(b) Write about locomotion in bacteria.

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Or

India and its importance.

(b) Explain the current status of aquaculture in

is involved in the synthesis of

PART C - (5 × 8 = 40 marks)

Answer ALL questions, Each answer should not exceed either (a) or (b) choosing 600 words.

16. (a) With neat diagram explain the ultra structure of bacteria.

Or

- (b) Explain briefly about bacterial cell membrane.
- 17. (a) Describe the common features of eukaryotic cells and functions of eukaryotic cell organelles.

Or

- (b) Write about the structure and functions of
 - (i) Endoplasmic reticulum
 - (ii) Lysosome
- 18. (a) Write an essay on reproduction in bacteria.

Or

(b) With neat diagram explain the different stages of mitosis.

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19. (a) Discuss the general characters of gymnosperm.

Or

- (b) Write about the economic importance of
 - (i) cowpea
- (ii) sunflower oil
- 20. (a) What are the different parts of human respiratory system? Explain the role of each part.

Or

(b) Write an essay on apiculture and its economic importance.

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