

Reg. No. :

Code No. : 30795 E

Sub. Code : EFZO 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

First Semester

Zoology

Foundation Course — INTRODUCTION TO ZOOLOGY

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Animals which do not have notochord are called
 - (a) Invertebrates
 - (b) Vertebrates
 - (c) Chordates
 - (d) Reptiles
2. The locomotory organs of annelids
 - (a) Clilia
 - (b) Flagella
 - (c) Setae
 - (d) Polyp
3. Bacteria is a
 - (a) Eukaryotic cell
 - (b) Prokaryotic cell
 - (c) Protozoa
 - (d) Porifera

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4. This is called suicidal bag of a cell
 - (a) Mitochondria
 - (b) Yolgi complex
 - (c) Ribosome
 - (d) Lysosome
5. The basic units of protein are
 - (a) Amino acid
 - (b) Glucose
 - (c) Fatty acid
 - (d) Carbohydrate
6. The excretory organ of protozoans are
 - (a) kidney
 - (b) flame cells
 - (c) contractile vacuole
 - (d) green glands
7. The repair of lost parts is called
 - (a) Development
 - (b) Regeneration
 - (c) Respiration
 - (d) Excretion
8. The theory of "Natural selection" was proposed by
 - (a) Darwin
 - (b) Mayr
 - (c) Huxley
 - (d) Haldane
9. Rearing and multiplication of earthworm is called
 - (a) Aquaculture
 - (b) Vermi culture
 - (c) Mari culture
 - (d) Lac culture
10. Which of the following is a biotechnological process?
 - (a) Bio fuel
 - (b) Cheese
 - (c) Pest resistant crops
 - (d) All of these

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Write the characteristics features of protozoans.
Or
(b) Summarise the salient features of arthropods.
12. (a) Write an account on RNA and its types.
Or
(b) What are prokaryotes? Explain with example.
13. (a) Name the different organ systems of our body and its function.
Or
(b) Discuss the importance of vitamins.
14. (a) What is a habitat? Classify it.
Or
(b) Describe the process of spermatogenesis.
15. (a) Describe the steps in aquarium keeping.
Or
(b) Explain the importance of vermin culture.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write the general characters of phylum mollusea.

Or

(b) Describe the characteristics features of chordates.

17. (a) Explain the structure of DNA.

Or

(b) Differentiate prokaryotic and Eukaryotic cell with example.

18. (a) Describe the physiological role of protein.

Or

(b) Explain the structure of a human digestive system.

19. (a) Describe the structure of an ecosystem.

Or

(b) Explain the process of oogenesis.

20. (a) Write an account on "Lac culture".

Or

(b) Describe poultry of dairy farming.