

(6 pages)

Reg. No. :

Code No. : 10379 E Sub. Code : EFZO 11/
FFZO 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2025.

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. Notochord is present only in
 - (a) Invertebrates
 - (b) Vertebrates
 - (c) Both (a) and (b)
 - (d) Protozoa

2. Genus name in English starts with
 - (a) Capital letter
 - (b) Small letter
 - (c) Both (a) and (b)
 - (d) None
3. Which of the following is power house of a cell?
 - (a) Nucleus
 - (b) Mitochondria
 - (c) Ribosome
 - (d) Chromosomes
4. The genetic makeup of a plant is called as
 - (a) Genotype
 - (b) Phenotype
 - (c) Genome
 - (d) Allele
5. Uracil is found in
 - (a) DNA
 - (b) RNA
 - (c) Proteins
 - (d) Ribosomes
6. Which is the pace maker of the heart?
 - (a) AV node
 - (b) SA node
 - (c) Aorta
 - (d) Ventricle

7. Clouds formed in the atmosphere in
(a) Troposphere (b) Stratosphere
(c) Mesosphere (d) Thermosphere
8. Production of an ovum takes place in
(a) Testis (b) Ovary
(c) Ova (d) Embryology
9. Which is the common disease of silkworm?
(a) Dropsy (b) Ich
(c) Pebrine (d) Ascariasis
10. Young female cattle are
(a) Steer (b) Bull calves
(c) Heifers (d) Calves

PART B — (5 × 5 = 25 marks)

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

11. (a) Write a brief account on binomial nomenclature with an example.
Or
(b) Write the general characters of protozoa.

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12. (a) Write a short note on cell organelles.
Or
(b) Write a brief note on RNA.
13. (a) Write an account of physiological role of lipids.
Or
(b) Write a short note on circulatory system in man.
14. (a) Briefly explain Darwinism.
Or
(b) Write an account on spermatogenesis.
15. (a) Write a short account on lac culture.
Or
(b) Write a short note on ecotourism and its importance.

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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 characteristics of Chordata.

Or

- (b) Write the five kingdom classification with example.

17. (a) Write in detail about Mendelism.

Or

- (b) Differentiate Prokaryotic and Eukaryotic cell.

18. (a) Describe in detail about respiratory system with illustration.

Or

- (b) Write in detail about vitamins and their importance.

19. (a) Explain the atmospheric stratification in detail.

Or

- (b) Elaborate the developmental stage of an animal.

20. (a) Write a detailed account Aquarium keeping.

Or

- (b) Explain the importance and scope of biotechnology in detail.