

Reg. No. :

Code No. : 10871 E Sub. Code : EMZO 21

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2024.

Second Semester

Zoology – Core

CHORDATA

(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. Wheel organ is seen in
 - (a) Ascidian
 - (b) Balanoglossus
 - (c) Amphioxus
 - (d) Petromyzon

2. Balanoglossus belong to the _____ sub-phylum
 - (a) Hemichordata
 - (b) Urochordata
 - (c) Cephalochordata
 - (d) None of these

3. Name of the flying fish is
 (a) Anabas (b) Exocoetus
 (c) Anguilla (d) Catla
4. Example of Anadromous fishes
 (a) Anguilla (b) Salmon
 (c) Catla (d) Labeo
5. Limbless amphibian belong to the order
 (a) Anura (b) Urodela
 (c) Apoda (d) All of these
6. Zoological name for krait
 (a) Naja naja
 (b) Bungarus caeruleus
 (c) Enhydrina valakadean
 (d) Vipera russelli
7. Pigeon milk is secreted in
 (a) Crop (b) Intestine
 (c) Pancreas (d) Cloaca
8. Synsacrum, a part of vertebral column is present in
 (a) Fishes (b) Amphibian
 (c) Aves (d) Mammals
9. Pteropus belong to the order
 (a) Dermoptera (b) Chiroptera
 (c) Insectivore (d) Primates

10. Example for pouched mammals
 (a) Kangaroo (b) Camel
 (c) Elephant (d) Cat

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 characters of Prochordates.
 Or
 (b) Write the general characters of Hemichordata.
12. (a) Discuss the affinities of Dipnoi.
 Or
 (b) Write the general characters of Pisces.
13. (a) Discuss the features of Apoda.
 Or
 (b) Describe the classification of reptiles on the basis of skulls.
14. (a) Give an account on the digestive glands of pigeon.
 Or
 (b) Write the types of migration in Birds.
15. (a) Write short notes on egg laying mammals.
 Or
 (b) Explain the structure of heart in rabbit.

PART C — (5 × 8 = 40 marks)

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

16. (a) Differentiate non-chordates and chordates with examples.

Or

- (b) Describe the general characters and affinities of cephalochordata.

17. (a) Give the outline classification of vertebrata upto classes with example.

Or

- (b) Write an essay on migration of fishes.

18. (a) Write an essay on parental care in Amphibia.

Or

- (b) Describe the Poison apparatus and biting mechanism of Poisonous snakes.

19. (a) Write an essay on exoskeleton of Pigeon.

Or

- (b) Enlist and explain the general features of Aves.

20. (a) Write on essay on flying mammals.

Or

- (b) Write an essay on the dentition in mammals.