

(6 pages)

Reg. No. :

Code No. : 30701 E Sub. Code : EMZO 21

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

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.

Choosing the correct answer.

1. Choose the larvae of hemichordate.
(a) Trochophore
(b) Planula larva
(c) Tornaria
(d) Muller's larva

2. Which animal has endostyle?
(a) Amphioxus
(b) Petromyzon
(c) Balanoglossus
(d) None of the above
3. Which of the following is an example of Cyclostomes.
(a) Sea urchin (b) Octopus
(c) Petromyzon (d) Sea star
4. Choose the scales which are present in scolidon.
(a) Ctenoid scales
(b) Placoid scales
(c) Ganoid scale
(d) Cycloid scales
5. Which is not a true amphibian?
(a) Toad (b) Tortoise
(c) Salamander (d) Frog
6. The retention of larval characters by the adult is called _____.
(a) Neoteny (b) Dermis
(c) Epidermis (d) moulting

7. Chooses the common name for *Columba livia*.

- (a) Peacock
- (b) Pigeon
- (c) Ostrich
- (d) Crow

8. Choose the another name of Oil gland.

- (a) Pineal gland
- (b) Preen glands
- (c) Pituitary gland
- (d) Cowper's gland

9. Choose the coprophagy animal.

- (a) Man
- (b) Frog
- (c) Rabbit
- (d) Horse

10. Select the function of perineal gland in rabbit.

- (a) Vision
- (b) Touch
- (c) Chemoreceptor
- (d) Odour

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Draw the structure of amphioxus and label all the parts.

Or

(b) Write a short note on Urochordata.

12. (a) Enumerate the types of scales in fishes.

Or

(b) Summarize the affinities of Dipnoi.

13. (a) Enumerate the adaptive features of Urodela.

Or

(b) Explain the general characteristics of amphibian.

14. (a) Summarize the general characteristics of Reptilia.

Or

(b) Explain poison apparatus of snakes.

15. (a) Elaborate the egg laying Mammals.

Or

(b) Explain flying mammals.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain the General characteristics of chordate.

Or

(b) Discuss the Balanoglossus and its affinities.

17. (a) Discuss Parental care in fishes.

Or

(b) Explain accessory respiratory organs in fishes.

18. (a) Discuss the parental care in Amphibia.

Or

(b) Explain the following:

(i) Anura (ii) Apoda.

19. (a) Explain the biting mechanism of poisonous snake.

Or

(b) Elaborate the skull in reptiles.

20. (a) Discuss dentition in mammals.

Or

(b) Discuss the flight adaptation in birds.
