

(6 pages)

Reg. No. :

Code No. : 30380 E Sub. Code : CMZO 21

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

Second Semester

Zoology — Core

CHORDATA

(For those who joined in July 2021 and 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which animal is considered as intermediate between invertebrata and prochordata?
 - (a) Amphioxus
 - (b) Balanoglossus
 - (c) Ascidian
 - (d) Both (a) and (b)

2. In shark the scales are
 - (a) Cycloid
 - (b) Placoid
 - (c) Rhomboid
 - (d) Ctenoid
3. Limbless amphibians belong to the order of
 - (a) Anura
 - (b) Apoda
 - (c) Urodela
 - (d) Both (a) and (b)
4. Metamorphosis in frog is controlled by
 - (a) Adrenalin
 - (b) Thyroxine
 - (c) Melatonin
 - (d) Insulin
5. Which one of the following is not poisonous snake?
 - (a) Naja naja
 - (b) Vipera runselli
 - (c) Typhlops
 - (d) Bangarus
6. Poison glands of snakes are modified _____.
 - (a) Salivary glands
 - (b) Lacrymal glands
 - (c) Thyroid glands
 - (d) Oil Glands

7. The largest flight muscle is
- Pectoralis major
 - Pectoralis minor
 - Coracobrachialis
 - Skeletal muscle
8. Which one of the following bird is a flightless bird?
- Pigeon
 - Parrot
 - Ostrich
 - Hen
9. The large digestive gland present in rabbit
- Liver
 - Pancreas
 - Salivary gland
 - All of these
10. In rabbit the gap between incisors and premolars is called
- Protonema
 - Diastema
 - Proximal
 - Distal

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Write down the general characters of Prochordates.
- Or
- (b) Describe the features of Ammocoetus larva.
12. (a) Give a short note on Metamorphosis in amphibians.
- Or
- (b) Explain paedogenesis in amphibia.
13. (a) Explain the structure of venom apparatus.
- Or
- (b) Analyse the salient features of Chelonia.
14. (a) Describe the external features of Pigeon.
- Or
- (b) Write an account on flight muscles.

15. (a) Write an account on digestive glands of rabbit.

Or

- (b) Write short note on egg laying mammals.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Give the outline classification of chordate upto classes with examples.

Or

- (b) Describe the migration of eel and salmon.

17. (a) State the general features of Amphibia and classify up to order giving example.

Or

- (b) Summarize the parental care exhibited in Amphibians.

18. (a) Write a neat labelled sketch and explain the external morphology of Calotes.

Or

- (b) Describe the skull of reptiles in detail.

Page 5 Code No. : 30380 E

19. (a) Enlist and explain the general features of Aves.

Or

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

20. (a) Explain the reproductive system of rabbit.

Or

- (b) Integrate the adaptations of aquatic mammals as an essay.

Page 6 Code No. : 30380 E