

PART C — (5 × 8 = 40 marks)

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

16. (a) Elaborate the characteristics of Chordates.
Or
(b) Elaborate the characteristics of Dipnoi.
17. (a) Describe fish migration.
Or
(b) Enumerate the economic importance of fish.
18. (a) Comment on (i) Necturus (ii) Proteus.
Or
(b) Describe the parental care in Amphibians.
19. (a) Explain the different types of skull in reptiles.
Or
(b) Discuss the poison apparatus of snakes and biting mechanism.
20. (a) Explain the migration of birds.
Or
(b) Elaborate the aquatic mammals and its adaptations.

Reg. No. :

Code No. : 20868 E Sub. Code : EMZO 21

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 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. Choose the intermediate link between invertebrates and chordates
(a) echinodermata (b) arthropoda
(c) mollusca (d) prochordates
2. Amphioxus is also known as _____
(a) Petromyzon (b) Jamoytius
(c) Lancets (d) Climatius

3. The blood capillaries in the air bladder aggregates into _____.
- (a) retina (b) retina mirabilia
(c) sclera (d) gall bladder
4. Choose the group of lung fish from the following
- (a) labeo (b) molly
(c) catla (d) dipnoi
5. Choose the Urodela amphibian which exhibits Neoteny
- (a) Axolotyl (b) Ichthyophis
(c) Rana (d) Hyla
6. In frog, cutaneous respiration is performed through _____.
- (a) nostrils (b) skin
(c) lungs and gills (d) pharynx
7. Reptiles are _____ animal.
- (a) Ammonotelic (b) Uricotelic
(c) Ureotelic (d) Polytelic
8. Antivenin is an antibody for snake venom which is prepared from _____.
- (a) Pig (b) Cat
(c) Horse (d) Goat
9. Which is the smallest migratory bird to travel from Arctic region to India?
- (a) Pintail duck (b) Little stint
(c) Little osprey (d) Flamingo

10. Choose the only mammal which can fly
- (a) Bat (b) Flying lemurs
(c) Flying squirrels (d) Flying possums

PART B — (5 × 5 = 25 marks)

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

11. (a) What are the characteristics of hemichordate?
Or
(b) Summarise the affinities of Amphioxus.
12. (a) Explain the air bladder in fish.
Or
(b) Discuss the types of fins in fish.
13. (a) Summarize sexual dimorphism in amphibians.
Or
(b) Enumerate the adaptive features of Apoda.
14. (a) Explain the adaptations of terrestrialisation of reptiles.
Or
(b) Explain the biting mechanism of snakes.
15. (a) Discuss the flight adaptations in birds.
Or
(b) Discuss marsupials.