

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Bring out the important characters of major classes of vertebrates with examples.

Or

- (b) Discuss about the different kinds of fish migration.

17. (a) Write an account on respiratory system of frog.

Or

- (b) Describe about parental care in Amphibia.

18. (a) Examine the circulatory system of a Calotes.

Or

- (b) Analyze the features present in male reproductive system of Calotes.

19. (a) Discuss different kinds of bird migration.

Or

- (b) Enumerate the different flight adaptation in birds.

20. (a) Expound the adaptive radiation in aquatic mammals.

Or

- (b) Summarize about dentition in mammals.

Reg. No. :

Code No. : 10826 E Sub. Code : CMZO 21

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2022.

Second Semester

Zoology — Core

CHORDATA

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. In Amphioxus, fertilization is _____
(a) Internal (b) External
(c) Parthenogenesis (d) asexual
2. Endoskeleton of *Scoliodon* is made up of
(a) Cartilage (b) Bone
(c) Scales (d) Plates
3. The teeth in frog are meant for
(a) Chewing
(b) Preventing prey from slipping
(c) Tearing
(d) Cutting



4. Erythrocytes in Amphibians are
 - (a) Oval and anucleated
 - (b) Oval and nucleated
 - (c) Convex and nucleated
 - (d) Convex and anucleated
5. In Calotes, pharynx leads to oesophagus through an aperture the
 - (a) Gullet
 - (b) Glottis
 - (c) Nares
 - (d) Cloaca
6. Which one of the following is nonpoisonous snake?
 - (a) Coral snakes
 - (b) Cobras
 - (c) Kraits
 - (d) Python
7. Respiration of pigeon is _____ and the respiratory organs are fairly simple.
 - (a) gill
 - (b) buccal
 - (c) pulmonary
 - (d) cutaneous
8. Synsacrum is seen in
 - (a) Aves
 - (b) Amphibia
 - (c) Reptilia
 - (d) Mammals
9. The feeding habit of rabbit is _____ feeding on green vegetation and also coprophagous.
 - (a) Carnivorous
 - (b) Herbivorous
 - (c) Omnivorous
 - (d) Detritivorous

10. Marsupials are otherwise called as
 - (a) egg-laying (oviparous) mammals
 - (b) insect-eating mammals
 - (c) toothless mammals
 - (d) pouched mammals

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Elucidate the external morphology of shark with neat diagram.
Or
(b) Enlist the affinities of *Balanoglossus* with other animals.
12. (a) Discuss about any three orders of classification of Amphibia.
Or
(b) Give general account on metamorphosis of amphibians.
13. (a) Analyze the important orders of class Reptilia.
Or
(b) How do you identify poisonous and non-poisonous snakes?
14. (a) Describe the circulatory system of Pigeon.
Or
(b) Describe different kinds of beaks seen in birds.
15. (a) List out the digestive system of rabbit.
Or
(b) Describe the female urino-genital organs of rabbit.

