

(6 pages)

Reg. No. : .....

Code No. : 10697 E      Sub. Code : JMZO 12/  
SMZO 12

B.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2019.

First Semester

Zoology — Main

ANIMAL DIVERSITY — II — CHORDATA

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. The unique feature of chordate is presence of
- (a) Notochord
  - (b) Nerve cord
  - (c) Gill slots
  - (d) All of these

2. Amphioxus belongs to the sub phylum of
- (a) Cephalo Chordata
  - (b) Hemichordata
  - (c) Urochordata
  - (d) None of these
3. Shark is an animal of
- (a) Oviparous                      (b) Viviparous
  - (c) Parthenogenic              (d) Ovo-Viviparous
4. Valve that is present in shark is
- (a) Scala                          (b) Scroll
  - (c) Cuspid                        (d) Baleen
5. Double circulation is exhibited in
- (a) Pisces                          (b) Amphibian
  - (c) Reptiles                        (d) Birds
6. Midwife toad is
- (a) Pipa pipa                      (b) Hyla Coeldi
  - (c) Alytes                          (d) Rhacophorus
7. The number of air sacs present in Pigeon is
- (a) 6                                  (b) 7
  - (c) 8                                  (d) 9



8. On which area Quill feathers are present in Pigeon?

- (a) Wing (b) Tail  
(c) Body (d) Both (a) and (b)

9. High level of parental care exhibited by

- (a) Amphibian (b) Reptiles  
(c) Birds (d) Mammals

10. Egg laying mammal is

- (a) Suncus (b) Pteropus  
(c) Menis (d) Echidna

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the general characters of prochordates.

Or

(b) Describe the reproductive system of Ascidian.

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12. (a) With neat labelled. Sketch explain the morphology of shark.

Or

(b) Explain the structure and function of gills in shark.

13. (a) Describe the evolutionary significances of Axolotle larva.

Or

(b) Explain the morphological features of Draco.

14. (a) Describe the external features of Pigeon.

Or

(b) Explain the structure of Quill feather.

15. (a) Explain the structure of lungs of rabbit.

Or

(b) Describe the digestive system of rabbit with sketch.

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**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 outline classification of chordata upto classes with example.

Or

- (b) With sketch describe the external morphology of petromyzon.

17. (a) Explain the objective and types of migration of fishes with example.

Or

- (b) Explain reproductive system of fishes with diagrams.

18. (a) State the general characters of Amphibia and classify upto order giving example.

Or

- (b) Write critical account on parental care exhibited by Amphibians.

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19. (a) Explain the Urino genital system of pigeon.

Or

- (b) Enlist and explain the general characters of Birds.

20. (a) Explain the structure and function of brain in rabbit.

Or

- (b) Write an elaborate account on egg laying mammals.

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