

D 12053

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS-UG) DEGREE EXAMINATION
NOVEMBER 2021**

Zoology

ZOL 3B 03T—ANIMAL DIVERSITY : CHORDATA—PART I
(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer atleast eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall ceiling 24.*

1. Mention the typical chordate features of ascidian tadpole.
2. Mention the salient features of the class Thaliacea.
3. What is axiate organization ?
4. Mention the habit and the habitat of *Branchiostoma*.
5. Write briefly on the larva of *Petromyzon*.
6. Write briefly on two subterranean fishes from Kerala.
7. Write brief note on *Chimaera*.
8. Distinguish between cartilage bone and membrane bone.
9. Write a brief note on the recent findings of frog diversity from the western ghats.
10. What do you know about axolotl larva ?
11. Citing examples distinguish between Anapsida and Diapsida.
12. Mention the arboreal adaptations of *Chamaeleo*.

(8 × 3 = 24 marks)

Section B*Answer atleast five questions.**Each question carries 5 marks.**All questions can be attended.**Overall ceiling 25.*

13. With a diagrammatic representation explain the fundamental chordate characters.
14. Write the primitive, specialized and degenerate features of *Branchiostoma*.

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15. Explain the salient features of the class Cyclostomata. Mention an example.
16. Write a note on lung fishes.
17. Explain the structure of the pelvic girdle of *Calotes versicolor*.
18. Mention the salient features of the class Amphibia.
19. Write a note on *Sphenodon*.

(5 × 5 = 25 marks)

Section C

Answer any **one** questions.
The question carries 11 marks.

20. With a labeled diagram explain the digestive system of *Mugil cephalus*.
21. With illustrations explain the vertebral column of *Hoplobatrachus tigerinus*.

(1 × 11 = 11 marks)