

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023**(Regular/Improvement/Supplementary)****ZOOLOGY****GZOL3B03T: ANIMAL DIVERSITY: CHORDATA PART - I****Time: 2 Hours****Maximum Marks: 60****SECTION A: Answer the following questions. Each carries *two* marks.****(Ceiling 20 Marks)**

1. Comment on fundamental chordate characters.
2. What is meant by neoteny? Give an example.
3. State the general features of Cephalochordata with example.
4. Comment on the migration shown by *Petromyzon*.
5. Write the classification of Chondrichthyes upto subclasses.
6. Comment on any two types of scales in fishes.
7. Write notes on the sub-terranean fishes of Kerala. Provide two examples.
8. Provide the characteristic features of Apoda with suitable example.
9. Comment on *Axolotl* larva.
10. Mention the flight adaptations of *Draco*.
11. List the arboreal adaptations of *Chamaeleon*.
12. Name any four poisonous snakes of Kerala.

SECTION B: Answer the following questions. Each carries *five* marks.**(Ceiling 30 Marks)**

13. Describe the general features of Urochordata. Mention their affinities with cephalochordates and vertebrates.
14. What are the important features of Branchiostoma? Comment on their affinities with other chordate groups.
15. Write an account on Ammocoete larva.
16. What are the important features of Order Dipnoi? Comment on the different lung fishes and their distribution.

(PTO)

17. Describe the venous system of *Scoliodon*.
18. Provide the classification of Subclass Lissamphibia up to orders. Mention the features of each with examples.
19. Write an account on the evolutionary significance of *Sphenodon*.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Describe the systematic position of Indian Bullfrog. Comment on their excretory and reproductive structures.
21. Explain the arterial system of *Calotes* with suitable diagram.

(1 x 10 = 20 Marks)