

**B.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025****SEMESTER 3 : ZOOLOGY****COURSE : 19U3CRZOO3 : ANIMAL DIVERSITY – CHORDATA***(For Improvement/Supplementary 2023/2022/2021/2020/2019 Admissions)*

Time : Three Hours

Max. Marks: 60

**PART A****Answer All (1 mark each)**

1. Name the snakes having vestigial legs present near the cloaca
2. What is the common name of *Latimeria*?
3. What is the scientific name of sea lamprey?
4. Define the term invertebrate chordates with example.
5. What is dental formula of rabbit?
6. Name the any two members having parapsidan model of skull
7. Identify the environmental factors influencing neoteny in axolotls
8. What is the foramen magnum?

**(1 x 8 = 8)****PART B****Answer any 6 (2 marks each)**

9. Write four main features of *Panthera*.
10. Recognize the two common characters which unite squammates with example
11. ***Urochordates are referred to as sea squirts. Justify using a sketch***
12. What are baleen plates?
13. What is known as velum?
14. Describe the structure of feeding apparatus in *Petromyzon*?
15. Detail the structure of skull in sphenodon with the help of a diagram
16. Why synapsids are known as "mammal-like" animals?

**(2 x 6 = 12)****PART C****Answer any 4 (4 marks each)**

17. Enumerate the different adaptations of *Plesiosaurs* based on their specific ecological niches
18. Mammal-like reptiles exhibited a mix of reptilian and mammalian characteristics. Evaluate the statement
19. Discuss the salient features of the three superorders under the subclass Actinopterygii.
20. Explain the anuran characters discussing *Hyla* as an example
21. What are the advantages of fish farming? Write a brief description of carps used for farming in Kerala
22. Write down atleast 10 salient features of Rabbit.

**(4 x 4 = 16)**

**PART D**

**Answer any 2 (12 marks each)**

23. Discuss the outline classification of chordates. Explain the body organization and unique features using neat diagram
24. Discuss different types of bird migration and enlist the primary challenges facing them for a powered flight
25. Discuss with diagrams, different types of scales present among fishes.
26. Write an essay on the sense organs of Rabbit.

**(12 x 2 = 24)**