

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2023 ADMISSIONS SUPPLEMENTARY
SEMESTER II - COMPLEMENTARY COURSE 2
ZY2B01B23 - Chordate Diversity

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 marks**(10x1=10)**

1. Why are *Amphioxus* called as "Lancelet"?
2. Recall the scientific name of Sea Lamprey.
3. Name any 2 median fins.
4. Recall the genus name of A) Tiger salamander B) Frog
5. What are parotid glands and its function?
6. What is glottis?
7. Recall the genus name of A) Blind worm B) True toad
8. What is Synsacrum?
9. Define herpetology.
10. Name an animal with binocular vision.
11. List any two aquatic mammals.
12. Distinguish the features of Indian and African elephant.

Part B

II. Answer any Six questions. Each question carries 5 marks**(6x5=30)**

13. Elaborate the fundamental characters of Chordata.
14. Comment on the phylogenetic importance of *Ammocoetes* larva.
15. Differentiate the feeding of *Petromyzon* adult and its larva.
16. Describe the structure of frog eye.
17. Explain the cranial bones in frog.
18. Describe the process of metamorphosis in frog.
19. Describe the arboreal adaptations of *Chamaeleon*.
20. List the scientific and common names of 5 poisonous snakes.
21. Give an account on any five aquatic mammals.

Part C

III. Answer any Two questions. Each question carries 10 marks**(2x10=20)**

22. Explain the salient features of Division Agnatha and its classification with suitable examples.
23. Explain the digestive system of frog.
24. Enumerate the salient features of class Reptilia. List its sub-classes and one example each.
25. Describe the salient features of subclass Eutheria with example