

TB242618H

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2023 ADMISSIONS REGULAR

SEMESTER II - BOTANY 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. Name an extinct ostracoderm.
3. What are Neuromast organs and its functions?
4. Name two eye muscles of frog.
5. Define urostyle?
6. Name two cranial nerves in frog.
7. Define neoteny. Give an example.
8. Define a Living Fossil. Give an example.
9. What is pecten?
10. Define herpetology.
11. Define thecodont dentition.
12. Cite an example for metatherian mammal.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain the external morphology of *Amphioxus*.
14. Give any 5 morphological differences of *Petromyzon* adult and its larva.
15. Enumerate the important characters of the class Chondrichthyes and give one example.
16. Elaborate on the morphological peculiarities of Amblystoma and its larva.
17. Explain the pectoral girdle of frog using a suitable diagram.
18. Explain the salient features of Class Amphibia.
19. Comment on *Chelone*.
20. List the scientific and common names of 5 non- poisonous snakes.
21. Give an account on the modification of original structures seen in aquatic mammals.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Explain the salient features of Superclass Pisces and list its classes with an example from each.
23. Describe the male and female reproductive system in frog.
24. Write down the key used for identifying poisonous and non-poisonous snakes.
25. Explain different adaptations shown by aquatic mammals

