

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
SEMESTER II - COMPLEMENTARY COURSE 2 (ZOOLOGY)
ZY2C01B18 - Chordate Diversity

Time : 3 Hours

Maximum Marks : 60

Part A

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

1. Justify the inclusion of *Oikopleura* in the class Larvacea.
2. Recall the common name of A) *Ascidia* B) *Petromyzon*.
3. What are Labyrinthine organs ?
4. Name any 2 paired fins.
5. Define neoteny. Give an example.
6. Define Paedomorphosis. Cite an example.
7. Define sympathetic nervous system.
8. What is pecten?
9. Give the common name of A) *Sruthio* B) *Chamaeleon*.
10. Write the scientific names of two non-poisonous snakes.
11. Write note on sudoriferous gland.
12. Enumerate the function of baleen plates.

Part B

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

13. Describe the morphology and habit of *Ascidia*.
14. What is a Wheel Organ?
15. Enumerate the important characters of the class Chondrichthyes and give one example.
16. Describe the external characters of *Petromyzon*.
17. Elaborate on the morphological peculiarities of *Amblystoma* and its larva.
18. Describe the process of metamorphosis in frog.
19. Describe the arboreal adaptations of *Chamaeleon*.
20. Write an account on the loss and development of structures seen in aquatic mammals.
21. Give the outline classification of Chordata.

Part C

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

22. Explain the salient features of Subphylum Cephalochordata and give a suitable example.
23. What are accessory respiratory organs and its functions in fishes?
24. Elaborate the structure and working of heart of frog.
25. Enumerate the salient features of class Reptilia. List its sub-classes and one example each.