



B.Sc. V Semester Degree Examination, April/May - 2024

ZOOLOGY

Z - 5.2 : Chordates and Comparative Anatomy

(NEP)

Time : 2 Hours

Maximum Marks : 60

Note : (i) Answer **all** sections.

(ii) Draw the labelled diagrams wherever necessary.

SECTION - A

1. Answer the following sub-questions in **one** word or **one** sentence each. **10x1=10**
- Define Retrogressive metamorphosis.
 - What are the basic chordate characters ?
 - What is Ichthyology ?
 - What do you mean by Aestivation ?
 - Define Paedogenesis.
 - What is catadromous migration ?
 - What is Atlas ?
 - What is Acetabulum ?
 - Define cutaneous respiration.
 - What is Homeotherm ?

SECTION - B

Answer **any four** of the following questions.

4x5=20

- Enumerate the general characteristics of chordates.
- Write the differences between Chondrichthyes and Osteichthyes.
- Give the brief account of the parental care in Amphibians.
- Explain the comparative account of the heart of Scoliodon and Frog.
- Briefly explain the interesting features of Archaeopteryx.
- Write the general characteristics of the Agnatha and classify upto classes.



SECTION - C

Answer **any three** of the following questions.

3x10=30

8. Describe the detail account of the Retrogressive metamorphosis in Ascidian tadpole larva with a neat labelled diagram.
9. Write the unique features of the class Amphibia and classify upto orders with examples.
10. Explain the flight adaptations in birds.
11. Give an account of the comparative account of the brain of Scoliodon and Man.
12. Enumerate the salient features of the class Mammalia.

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