



B.Sc. V Semester Degree Examination, Sept./Oct. - 2024

ZOOLOGY

DSC6 : Z-5.2 : Chordates and Comparative Anatomy

(NEP)

Time : 2 Hours

Maximum Marks : 60

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- Note :** (i) Answer **all** sections.
(ii) Draw labelled diagram wherever **necessary**.
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SECTION - A

Answer the following sub-questions.

10x1=10

1. (a) What is Atlas ?
(b) Define Hibernation.
(c) What is Catadromous Migration ?
(d) Define Pedogenesis.
(e) Mention the basic chordate characters.
(f) What are Sea Squirts ?
(g) Define Ichthyology.
(h) What is Agnatha ?
(i) What do you mean by Retrogressive Metamorphosis ? Give example.
(j) Define Cutaneous respiration.

SECTION - B

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

4x5=20

2. Give the brief account of the parental care in Amphibians.
3. Enumerate the general characteristics of chordates.
4. Write the differences between cartilage and bony fishes.
5. Explain the comparative account of the heart of Fishes and Aves.
6. Briefly explain the interesting features of Sphenodon.
7. Write the salient features of Cyclostomata.



SECTION - C

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

3x10=30

8. Describe the retrogressive metamorphosis of Ascidian Tadpole larva with the help of labelled diagram.
9. Write the unique features of the class Amphibia and classify upto orders with examples.
10. Give the detail account of migration of birds with examples.
11. Write the comparative account of the brain of Scoliodon and Frog.
12. Enumerate the salient features of the class Mammalia.

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