

Second Semester B.Sc. Degree Examination, May/June 2016

ZOOLOGY

Paper – Z-2 : Biology of Chordates

Max Marks 80

Time : 3 Hours

- Instructions :** 1) Answer **all** Sections
2) Draw diagrams **wherever** necessary

SECTION – A

(5×2=10)

Answer **any five** of the following :

1. Define diaphragm and corpus luteum.
2. Name the four series of heart chambers of Scoliodon
3. What is homeotherm ? Give two examples.
4. What are sea squirts ? Name any two examples.
5. Mention the types of respiration in Amphibians.
6. Define the term tricuspid and bicuspid valve.

SECTION – B

Answer **any six** of the following :

(6×5=30)

7. Write a note on migration of fishes.
8. Write the key characteristics of Cyclostomata.
9. What is parental care ? Explain briefly about the types of parental care in Amphibia
10. Write a note on the key characteristics of an identification of poisonous and non poisonous snakes
11. Sketch and label the digestive system of Scoliodon.

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12. Enumerate the Cephalochordata with examples.
13. Write the unique features of Pisces
14. Write a short note on lung fishes

SECTION - C

Write an explanatory note on **any four** of the following

(4x10=40)

15. Explain in detail about the arterial system of Rat with labelled diagram
16. Describe the female urinogenital system of Scoliodon with a neat labelled diagram
17. Write the comparative account of the heart of Frog and Pigeon.
18. Explain in detail about the flight adaptations in birds
19. Write the comparative account of brain of Frog and Calotes.
20. Write the general characteristics of the class Aves. Add a note on Archaeornithes