

2023
B.A./B.Sc.
Third Semester
CORE – 5
ZOOLOGY
Course Code: ZOC 3.11
(Diversity of Chordates)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. What is retrogressive metamorphosis? Explain the process of retrogressive metamorphosis in urochordates and identify the key areas of change during the process. 2+9+3=14
2. Write notes on the following: 7×2=14
 - (a) Characteristics of hemichordates
 - (b) Larval forms in cephalochordates

UNIT-II

3. Discuss the key basis which supports the echinoderm theory of chordate origin. How is it different from the other theories? 10+4=14
4. Write an account on the morphological adaptations of Petromyzon with the help of a neat labelled diagram. Add a note on its habit and habitat. 10+4=14

UNIT-III

5. Classify Pisces up to orders with examples? Describe the parental care in fishes. 8+6=14
6. Write a note on the following: 7×2=14
 - (a) Fish migration
 - (b) Salient features of Amphibia

UNIT-IV

7. Enumerate important characteristics of Reptilia and classify them upto orders. 7+7=14
8. Describe the principle and aerodynamics of flight mechanism in Aves. 7+7=14

UNIT-V

9. Write the important features of mammals and classify them up to orders giving at least one example each. 7+7=14
 10. What are zoogeographical realms? State the distinct features of the different realms and the types of fauna inhabiting it. 3+11=14
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