

Unique Paper Code : 32231301
Name of the Paper : Diversity of Chordates
Name of the Course : B.Sc. (H) Zoology Examination, 2021-LOCF
Semester : III – Theory Examination
Duration : 3 hours
Maximum Marks : 75 Marks

Instructions for Candidates

Write your Roll No., Name of the paper, Course, Semester, and Date of examination on the first page of answer sheet.

Attempt **ANY FOUR** questions. **All questions carry equal marks.**

Illustrate your answers with appropriate diagrams wherever necessary.

SET 1

Q.1 How would you distinguish between a living fossil and a transitional fossil? Describe each of these with the help of classical examples that you have studied. **(18.75)**

Q.2 Give a detailed account of Wegener's hypothesis for distribution of animals on earth. How does it correlate with the geological time scale? Add a note on the various means of distribution of animals. **(18.75)**

Q.3 Salmon and eels exhibit spawning migration during their breeding season but their life history is quite distinct from one another. Assisted with a diagrammatic flowchart highlight how their life differs from each other. **(18.75)**

Q.4 Duck-billed platypus and Spiny ant-eaters lay eggs like reptiles and birds but are still called mammals. Enumerate the features that makes them closely related to reptiles, birds and mammals yet retaining their own unique characters. **(18.75)**

Q.5 Parental care in amphibians is not gender specific. Cite examples in support of your answer from all the orders that you have studied. **(18.75)**

Q.6 Describe various modes of flight in birds and also give an account of aerial adaptations that make them glorified reptiles. **(18.75)**