



**M.Sc. II Semester (CBCS) Degree Examination,
September/October - 2022**

ZOOLOGY

21ZOO2C5L : Biology of Chordates

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question No.1 is **Compulsory**, each question carries **equal** marks.

1. Describe the different theories of chordates origin. 14
2. Write a detailed account on fish migration. 14
3. Explain breeding behaviour and parental care in extant amphibians. 14
4. Describe the origin and evolution of mammals. 14
5. Write a detailed account on epidermal derivatives in mammals. 14
6. Write a note on the following :
 - (a) Ostracoderms 5
 - (b) Poisonous snakes in India 5
 - (c) Neoteny 4
7. Write a short note on the following :
 - (a) Aerial adaptation in birds 5
 - (b) Archaeopteryx 5
 - (c) Fish kidney 4
8. Write a short note on the following :
 - (a) Lateral line system 5
 - (b) Aquatic mammals 5
 - (c) Reptilian heart 4

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