

3 Yr. Degree/4 Yr. Honours 2nd Semester Examination, 2024 (CCFUP)

Subject : Zoology

Course: ZOOL2021 (MINOR)

(Chordates)

Time: 2 Hours

Full Marks: 40

The figures in the right hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer *any five* questions from the following: 2×5=10
 - (a) State two unique features of Vertebrata.
 - (b) Name two fishes where accessory respiratory organs are found.
 - (c) Write two significant differences between Archaeornithes and Neornithes.
 - (d) State two differences between bony and cartilaginous fishes.
 - (e) What is zugunruhe?
 - (f) How does anura differ from apoda?
 - (g) Point out two differences between Prototheria and Theria.
 - (h) What do you mean by animal sonar?

2. Answer *any two* questions from the following: 5×2=10
 - (a) How does the osmoregulatory mechanism of marine teleosts differ from that of freshwater teleosts?
 - (b) Classify Phylum Chordata upto class with examples.
 - (c) What is echolocation? Give a short account of the mechanism of echolocation in microchiropteran bat. 2+3
 - (d) What do you mean by migration? How do birds navigate during their migratory journey? 1+4

3. Answer *any two* questions from the following: 10×2=20
 - (a) Write four important characteristics of class Reptilia. Classify Reptilia upto living subclasses with characters and examples. 4+6
 - (b) What is meant by parental care? Explain the different processes of parental care found in amphibians. 2+8
 - (c) Describe the biting mechanism by a poisonous snake. Mention any four clinical symptoms of snake bite. 8+2
 - (d) What is 'adaptive radiation'? What factors contribute to adaptive radiation? How can the primates be classified depending on their food habits? 1+3+6