

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: $2 \times 5 = 10$
 - (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: $5 \times 2 = 10$
 - (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: $10 \times 2 = 20$
 - (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? $1+3+6$
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