

21U407

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Name:

Reg.No:

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL4 B04 - ANIMAL DIVERSITY - CHORDATA - II

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Enlist the adaptive features of Apteryx.
2. Write a short note on elephant birds of Madagascar.
3. Which are the eye glands seen in pigeon? Mention the function.
4. Comment on the structure of functional oviduct in Pigeon.
5. What is furcula?
6. What is meant by double respiration? Give an example.
7. Illustrate an epidermal derivative of *Oryctolagus cuniculus*.
8. Differentiate between atlas and axis in *Oryctolagus cuniculus*.
9. What are the characteristic features of order Marsupialia?
10. Give brief account of order Lagomorpha.
11. Give a brief note of Aardvark and Hyrax.
12. Draw a neat labelled diagram of Rabbit brain dorsal view.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Differentiate between Subclass Archaeornithes and Neornithes.
14. Write notes on the salient features of Order Sphenisciformes.
15. Illustrate the arrangement of feathers in *Columba livia*.
16. Illustrate the structure of heart in Rabbit.
17. Give the systematic position and a brief description of flying lemur.

18. What are the similarities and differences between Fissipedia and Pinnipedia?
19. Compare the excretory systems of *Oryctolagus* and *Columba*.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Illustrate the structure of heart of Pigeon. Explain the arterial system of *Columba livia*.
21. Write an essay on the respiratory system of *Oryctolagus cuniculus*.

(1 × 10 = 10 Marks)
