

**22U407**

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Name: .....

Reg.No: .....

**FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024**

(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 salient features of the Cassowary.
2. Write a short note on pink headed duck.
3. What is sclerotic plates? Illustrate it.
4. Comment on the location and role of Leydig cells in Pigeon.
5. What is ploughshare bone?
6. What is syrinx?
7. Illustrate an epidermal derivative of *Oryctolagus cuniculus*.
8. Differentiate between atlas and axis in *Oryctolagus cuniculus*.
9. Give a brief note on *Macropus*
10. Give the Order name of below four animals.  
1. Hedgehogs, 2. Musk shrew, 3. Golden mole, 4. Flying lemur
11. Write short notes on Blue Whale.
12. How can you differentiate Dugong and Manatee?

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

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

13. Comment on the avian and reptilian features of *Archaeopteryx*.
14. Describe the features of birds of prey. Mention the orders and examples.
15. Write an account on the venous system of Pigeon.

16. Describe the mechanism of respiration in Rabbit.
17. Give a brief description of Order Lagomorpha. What are the major differences between Rabbits and Hares?
18. With a neat labelled diagram, compare the urino-genital organs of male and female Rabbit.
19. Compare the nervous systems of Rabbit and Pigeon

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

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

20. Describe the structure of a typical feather of a bird. Explain different kinds of feathers in Columba livia.
21. Illustrate the structure of heart of Oryctolagus cuniculus with a note on its venous system.

**(1 × 10 = 10 Marks)**

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