

20U407

(Pages: 2)

Name: .....

Reg.No: .....

**FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U ZOL4 B04 - ANIMAL DIVERSITY - CHORDATA -2**

(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. What are the adaptations of Piciformes? Give an example.
2. Write a short note on pink headed duck.
3. Which are the eye glands seen in pigeon? Mention the function.
4. What are leydig cells? Comment on the function.
5. What is synsacrum?
6. Mention four major roles of air sacs in Pigeon.
7. Write down any four functions of the skin of Rabbit.
8. Illustrate the structure of a typical vertebra in *Oryctolagus cuniculus*.
9. Give brief account of order Lagomorpha.
10. Give a brief description of Order Soricimorpha
11. Enumerate any four adaptations of Cetaceans.
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. Give an account on the salient features of class Aves.
14. Give the salient features of Super order Ratitae.

15. Explain different kinds of feathers in Pigeon.
16. With the help of a diagram describe the venous system of *Oryctolagus cuniculus*.
17. What are the characteristic features of order Marsupialia?
18. Give a brief account of Order Proboscidea. Add a note on the biology of any two example species you studied in this Order.
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. Write an essay on the arterial and venous system of a bird.
21. Write an essay on the respiratory system of *Oryctolagus cuniculus*.

**(1 × 10 = 10 Marks)**

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