

C 40996

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Name.....

Reg. No.....

**FOURTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION  
APRIL 2023**

Zoology

ZOL 4B 04—ANIMAL DIVERSITY : CHORDATA II  
(2017—2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

**Part A**I. One Word Questions. Answer *all* questions. Each question carries 1 mark :

- 1 A common characteristic of kangaroo, parrot and platypus \_\_\_\_\_.
- 2 \_\_\_\_\_ It is not a living fossil
- 3 Land reptiles, birds and insects are \_\_\_\_\_.
- 4 The long hollow bones and connected air sacs are the characteristic features of \_\_\_\_\_.
- 5 The soundbox of birds is also known as \_\_\_\_\_.
- 6 Only left aortic arches are present in \_\_\_\_\_.
- 7 Eutherian mammals are \_\_\_\_\_.
- 8 How long do brown-throated sloths sleep \_\_\_\_\_.
- 9 Class Mammalia have approximately \_\_\_\_\_.
- 10 Sweat glands in mammals are also called as \_\_\_\_\_.

(10 × 1 = 10 marks)

**Part B**II. Short Answer Questions. Answer any *ten* questions. Each question carries 2 marks :

- 11 Write the origin of bird.
- 12 Define *Ratite* with example.
- 13 Define Vanes.
- 14 Write a short note on crypsis.

**Turn over**

- 15 Write a short note on stress response of birds.
16. Define Traplining.
- 17 Write a short note on leapfrog migration.
- 18 Write the special characters of mammals.
- 19 Write a short note on *Ratufa*.
- 20 How do placental mammals reproduce ?
- 21 Define the evolution of the *Gorilla*.
- 22 Write the Habit and habitat of gaur.

(10 × 2 = 20 marks)

### Part C

III. Paragraph Questions. Answer any *five* questions. Each question carries 6 marks :

- 23 Explain about the toe configuration of duck and elephant bird.
- 24 Describe the alimentary canal of owl.
- 25 Write a brief note on taste and smell sense of kiwi.
- 26 Describe the song system of parrot.
- 27 Write the origin of crown-group marsupials.
- 28 Write a brief note on life history of hares.
- 29 Describe the behaviour and ecosystem role of *Funambulus*.
- 30 Write a brief note on ecological traits of giraffe.

(5 × 6 = 30 marks)

### Part D

IV. Essay Questions. Answer any *two* questions. Each question carries 10 marks :

- 31 Write a brief note on *Archaeopteryx*.
- 32 Describe the structure and feather care of kite.
- 33 Write a brief note on egg laying mammals.
- 34 Explain the foraging ecology of the flying lemur.

(2 × 10 = 20 marks)