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Name.....

Reg. No.....

FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION APRIL 2022

Zoology

ZOL 4B 04T—ANIMAL DIVERSITY : CHORDATA—Part II

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer at least **eight** *questions.*
Each question carries 3 marks.
All questions can be attended.
Overall Ceiling 24.

1. Write the structure of the cloaca of *Columba livia.*
2. Mention the functions of the air sacs in *Columba lima.*
3. Mention the adaptations of *Struthio.*
4. What are the salient features of the order Anseriformes.
5. Write briefly on any *two* extinct birds you have studied.
6. Stating the dental formula, explain the dentition in *Oryctolagus cuniculus.*
7. Write a brief note on scaly ant eater.
8. Mention the salient features of the order Artiodactyla.
9. Mention the accessory reproductive glands and their functions in *Oryctolagus cuniculus.*
10. Compare the olfactory lobes of the brain of Amphibia and Reptilia.
11. Distinguish between pronephric and metanephric kidneys.
12. Distinguish between digitigrade and unguligrade progression.

(8 × 3 = 24 marks)

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Section B

Answer at least **five** *questions.*
Each question carries 5 marks.
All questions can be attended.
Overall Ceiling 25.

13. With a labeled diagram explain the structure of a typical feather of *Columba livia.*
14. Explain the evolutionary significance of *Archaeopteryx lithographica.*
15. Mention the salient features of the order Galliformes. Write a note on an example you have stud
16. With a labeled diagram, explain the thoracic skeletal framework of *Oryctolagus cuniculus.*
17. Mention the salient features of the order Cetacea.
18. What are the salient features of the subclass Prototheria. Write a note on duck-billed platypu
19. Compare the heart of Amphibia and Reptilia.

(5 × 5 = 25 mar

Section C

Answer any **one** *question.*
The question carries 11 *marks.*

20. With illustrations explain the vertebral column of *Columba livia.*
21. With a labeled diagram explain the digestive system of *Oryctolagus cuniculus.*

(1 × 11 = 11 mar

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