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Name.....

Reg. No.....

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2026**

Zoology

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

(2019 Syllabus)

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short Answer Questions. Each question carries 2 marks :

- 1 Give one example for an extinct Jurassic bird of Mesozoic era. Add a note on its evolutionary significance.
- 2 What are Ratitae ? Give one example.
- 3 Write the scientific name of national bird of India. Mention its systematic position.
- 4 What is meant by synsacrum ? Comment on its function.
- 5 Write the functions of gizzard in Pigeon.
- 6 What are Metatherians ? Give one example.
- 7 What is Diastema ? Write the dental formula of *Oryctolagus cuniculus*.
- 8 Write the scientific names of Baleen whale and Indian elephant.
- 9 Write an account on coprophagy.
- 10 What are Vibrissae ?
- 11 What is metanephric kidney ?
- 12 Name the 11th and 12th cranial nerves in mammals.

(Ceiling : 20 marks)

Section B

II. Paragraph Questions. Each question carries 5 marks :

- 13 Explain the salient features of super order Neognathae.

Turn over

- 14 List the common features of flightless birds.
- 15 With a labeled diagram explain the brain of *Oryctolagus cuniculus*.
- 16 Write an account on type of feathers in Pigeon.
- 17 Discuss the peculiarities of Order Carnivora citing examples.
- 18 Distinguish between Artiodactyla and Perissodactyla.
- 19 Compare the circulatory systems of Class Amphibia and Aves.

(Ceiling : 30 marks)

Section C

III. Essay Questions. Answer any *one* question.

- 20 With the help of diagram describe the respiratory system in *Columba livia*.
- 21 Explain the structure of heart in *Oryctolagus cuniculus* with a neat diagram.

(1 × 10 = 10 marks)