

C 80939

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Name.....

Reg. No.....

FOURTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, APRIL 2020

Zoology

ZOL 4B 04—ANIMAL DIVERSITY : CHORDATA—II

Time : Three Hours

Maximum : 80 Marks

(Give diagrams wherever required)

Part A

I. One Word Questions. Answer *all* questions :

- 1 In birds, beaks are covered by an epidermal sheath called _____.
- 2 The tail feathers of pigeon are called _____.
- 3 Mention a fossil bird.
- 4 Herons belong to the order _____.
- 5 _____ is a flightless bird.
- 6 The integumentary pouch of the mother in a metatherian mammal is called_____.
- 7 Bats belong to the order _____.
- 8 In cetaceans, the forelimbs are modified for swimming, called _____.
- 9 In rabbit, the gap between the right and left lung is called _____.
- 10 The lower jaw in rabbit is formed of a single bone called _____.

(10 × 1 = 10 marks)

Part B

II. Short Answer Questions. Answer any *ten* questions :

- 11 Mention the significance of the bird Jerdon's courser.
- 12 Write the adaptive features of penguins.
- 13 What do you know about the bird dodo ?
- 14 Write the structure of cloaca in pigeon.
- 15 What is synsacrum ?
- 16 What are filoplumes ?
- 17 Briefly explain coprophagy in rabbit.
- 18 Write on the salivary glands in rabbit.

Turn over

- 19 Mention the adaptations of bats for flight.
- 20 What are baleen whales ?
- 21 Comment on ruminant mammals.
- 22 Mention the most important features of the subclass Prototheria.

(10 × 2 = 20 marks)

Part C

III. Paragraph Questions. Answer any *five* questions :

- 23 Explain the arrangement of flight feathers in pigeon.
- 24 Citing an example, explain the salient features of the order Sphenisciformes.
- 25 Describe the arrangement and functions of air sacs in pigeon.
- 26 Elucidate the female genital organs of pigeon.
- 27 Explain the structure and arrangement of ribs and sternum in rabbit.
- 28 Describe the dentition in rabbit.
- 29 Elucidate the internal structure of the heart of rabbit.
- 30 What are the salient features of the order Proboscidea.

(5 × 6 = 30 marks)

Part D

IV. Essay Questions. Answer any *two* questions :

- 31 Describe the structure and composition of the vertebral column in pigeon.
- 32 Explain the digestive system in rabbit.
- 33 Elucidate the arterial system of rabbit.
- 34 Write the structure of the urinogenital systems of rabbit.

(2 × 10 = 20 marks)