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Name.....

Reg. No.....

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2018

(CUCBCSS-UG)

Zoology

ZOL 4B 04—ANIMAL DIVERSITY-CHORDATA-II

Time : Three Hours

Maximum : 80 Marks

I. Answer *all* questions :

A. Name the following :

1. Sound producing organ in Pigeon.
2. Scientific name of Horse.
3. The X shaped structure formed by the crossing of optic nerves.
4. Blood vessels supplying blood to brain in Rabbit.
5. Compressed bone formed by the fusion of last four caudal vertebrae in Pigeon.

B. Fill in the blanks :

6. _____ is known as 'flying fox'.
7. Pelican belongs to the order _____.
8. Scientific name of Indian elephant is _____.
9. _____ is known as Cloacal thymus.
10. Egg laying mammals belongs to the subclass _____.

(10 × 1 = 10 marks)

II. Answer any *ten* questions :

11. What is Pecten? Write its function.
12. Write the scientific name of two extinct birds.
13. What is Carnassial teeth? Write its function.
14. Write the salient features of order Rodentia.
15. What are the flight adaptations found in Chiropterans?
16. Write note on Perineal glands .
17. Explain Paraxonic foot
18. What are Down feathers?

Turn over

19. Mention the name of cartilages present in the wall of larynx of Rabbit.
20. Distinguish between Iter and Foramen of Monro.
21. Comment on desert adaptations found in Sruthio.
22. Write note on Compound stomach.

(10 × 2 = 20 marks)

III. Answer any *five* questions :

23. Write the salient features of Archaeornithes. Explain one example.
24. Give a brief account on salient features of order Cetacea giving examples.
25. Describe the structure of Pectoral girdle of Pigeon.
26. Write notes on : (a) Blubber ; (b) Wish bone ; (c) Thecodont dentition.
27. Describe the structure of a typical feather in Pigeon.
28. Describe the structure of Pelvic girdle of Rabbit.
29. Explain Synsacrum and Pygostyle.
30. What are the flight adaptations found in Pigeon?

(5 × 6 = 30 marks)

II. Answer any *two* questions :

31. Give an outline classification of Mammals mentioning at least one example for each group.
32. Compare the brain of Rabbit with that of Pigeon.
33. With a neat labelled diagram, describe the respiratory system of a bird you have studied.
34. With a neat labelled diagram, describe the structure of Heart of Rabbit.

(2 × 10 = 20 marks)