

18U410

(Pages: 2)

Name:

Reg. No.....

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

CC15U ZO4 B04 - ANIMAL DIVERSITY: CHORDATE PART II

(Zoology - Core Course)

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

I. Answer *all* questions.

A. Fill up the blanks:

1. Egg laying mammals belongs to the subclass _____
2. Order Struthioniformes includes _____
3. _____ is the fusion of 14 vertebrae in a shape of triangular bony disc in birds.
4. The integumentary pouch present in Metatheria is known as _____
5. _____ is the waxy substance extracted from sperm whale.

B. Name the following:

6. Write the scientific name of our National bird.
7. Type of dentition seen in Metatherians
8. How many pairs of cranial nerves seen in Mammals?
9. The sound producing organ in birds.
10. The fatty tissue present in Dolphin which aids in echolocation.

(10 x 1 = 10 Marks)

II. Short answer questions. Answer any *ten* questions.

11. Write down the salient features of order Carnivora.
12. What is Polyembryony?
13. What are the adaptations of Penguins?
14. Explain the structure of a typical feather.
15. Distinguish the aerial adaptations of Chiropterans.
16. Enlist the characteristic features of Infra class Eutheria
17. Write a short note on Dodo.
18. Write an account on Primates.
19. Write down the special features of Opossum?
20. What is syndactyly? Name the class which have this feature.

21. What is furcula?
22. Write down the salient features of class Aves.

(10 x 2 = 20 Marks)

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

23. Briefly describe the flight adaptations of birds.
24. Distinguish between the reptilian and avian characters of *Archaeopteryx*.
25. Write notes on any three flightless birds you studied.
26. Enlist the characteristic features of sub class Neornithes.
27. Discuss about echolocation in mammals.
28. Give a brief account on salient features of order Cetacea with any two examples.
29. Compare the two orders Rodentia and Pholidota with examples.
30. Write notes on Passenger pigeon and Jerdon's courser.

(5 x 6 = 30 marks)

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

31. Explain the structure and function of heart in Rabbit.
32. Give an outline of classification of Mammalia.
33. Explain the evolutionary significance of *Archaeopteryx*. Add a note on systematic position?
34. Explain the respiratory system in Pigeon. Add a note on air sacs.

(2 x 10 = 20 marks)
