

Reg. No

Name

23U252

B. Sc. DEGREE END SEMESTER EXAMINATION : MARCH 2023

SEMESTER 2 : COMPLEMENTARY ZOOLOGY FOR BOTANY

COURSE : 19U2CPZOO02: ANIMAL DIVERSITY CHORDATA

(For Regular - 2022 Admission and Improvement / Supplementary – 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. Name two flightless birds.
2. What is amphicoelus centrum?
3. Comment on urostyle.
4. What is nueromast organ?
5. Give two examples of Metatheria.
6. What is meninges?
7. Give two examples of Cyclostomes.
8. What is Zygodactyly?

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Prototherians are 'unfinished mammals' Justify.
10. List salient features of Crossopterygii.
11. List out the diagnostic features of Urochordata.
12. State the salient features of Agnatha.
13. What is retrogressive metamorphosis?
14. What is portal system in frog?
15. Explain the salient features of Chelonia.
16. Describe latimeria.

(2 x 6 = 12)

PART C

Answer any 4 (4 marks each)

17. Discuss the chordate and non chordate affinities of Amphioxus.
18. Give an account on sense organs in frog.
19. Briefly describe the salient features of Mammalia.
20. List salient features of Amphibia.
21. Write down the key used to identify poisonous snakes from non poisonous snakes.
22. Briefly describe the flight adaptations of birds.

(4 x 4 = 16)

PART D

Answer any 2 (12 marks each)

23. Classify Reptilia up to sub classes. Give an account on the general features of each subclass citing suitable examples.
24. Write an essay on the aquatic adaptations in mammals, with suitable examples.

25. Explain the structure of heart of frog and write a note on its working.
26. Write an essay on general characters and classification of Phylum Chordata.

(12 x 2 = 24)