

B. Sc DEGREE END SEMESTER EXAMINATION - JULY 2021
SEMESTER 2 : ZOOLOGY (COMPLEMENTARY FOR B. SC BOTANY)

COURSE : 19U2CPZOO02 : ANIMAL DIVERSITY CHORDATA

(For Regular - 2020 Admission & Improvement/ Supplementary 2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. State the function of lateral line sense organ
2. What is amphicoelus centrum?
3. Explain digestive glands in frog.
4. What is Carotid gland ?
5. What is tunicine?
6. Define Anapsida
7. What is Pygostyle?
8. What are Diphyodonts

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Outline characteristics of Amblystoma.
10. Sketch and label typical vertebrae.
11. Describe digestion in frogs
12. Describe structure of spinal cord.
13. State the salient features of Agnatha.
14. Classify the subphylum Urochordata.
15. Explain the salient features of Chelonia
16. Give two mammalian and two reptilian characters of Prototheria.

(2 x 6 = 12)

PART C

Answer any 4 (4 marks each)

17. Mention salient features of chondrichthyes.
18. Outline hind limb bones in frog.
19. Explain frog arterial system.
20. Discuss the chordate and non chordate affinities of Amphioxus.
21. Comment on the arboreal adaptations of *Chamaeleon*.
22. Briefly describe the salient features of Class Aves.

(4 x 4 = 16)

PART D

Answer any 2 (12 marks each)

23. Write note on accessory respiratory organ in fishes?
24. Explain the structure of heart of frog and write a note on its working.
25. Explain the fundamental characters of chordates and mention its classification.
26. Give short notes on any 5 aquatic mammals.

(12 x 2 = 24)