

**2023/TDC(CBCS)/ODD/SEM/
ZOOHCC-301T/028**

TDC (CBCS) Odd Semester Exam., 2023

ZOOLOGY

(Honours)

(3rd Semester)

Course No. : ZOOHCC-301T

(Diversity of Chordates)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

**Answer ten questions, selecting any two from
each Unit : $2 \times 10 = 20$**

UNIT—I

- 1. Name the phylum to which tunicate belongs.
Give example of tunicate.**
- 2. Why is it said that 'all vertebrates are
chordates but all chordates are not
vertebrates'?**

(2)

3. Write at least four distinctive characters of Cephalochordate.

UNIT—II

4. Write at least four features of cyclostomes.
5. How does Agnatha differ from Gnathostomata?
6. Write at least four characters of Osteichthyes.

UNIT—III

7. Note down at least four distinctive characters of Apoda.
8. Why is Sphenodon known as living fossil?
9. What are fangs? State their function.

UNIT—IV

10. Why is Archaeopteryx known as connecting link between reptilia and birds?
11. What do you mean by echolocation?
12. Note down the general characters of Chiroptera.

(3)

UNIT—V

13. What do you mean by cosmopolitan distribution? Elucidate.
14. What do you mean by continental drift?
15. Define zoogeography.

SECTION—B

Answer *five* questions, selecting any *one* from each Unit : 6×5=30

UNIT—I

16. What is retrogressive metamorphosis? Discuss the phenomenon of retrogressive metamorphosis of Ascidian tadpole larva.
17. Describe the general characters of phylum Chordata. Write a note on advanced feature of vertebrate over protochordate.

UNIT—II

18. Discuss in detail the factors that influence the migration in fishes.
19. Define osmoregulation. Describe the process of osmoregulation in marine fishes.

UNIT—III

20. Describe the poison apparatus of snake with diagram. Add a note on biting mechanism in snake.
21. What do you mean by parental care? Discuss in detail the different patterns of parental cares found in Amphibia.

UNIT—IV

22. Describe the perching mechanism of birds. Add a note on phylogenetic significance of Archaeopteryx.
23. What do you mean by adaptive radiation? Discuss the adaptive radiation in mammals with reference to locomotory organs.

UNIT—V

24. Discuss the geographic range, physical feature and faunal composition of oriental region.
25. What is dispersal? Discuss the various means of dispersal of animals. Add a note on barriers to dispersal.

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