

**TDC (CBCS) Odd Semester Exam., 2021
held in March, 2022**

ZOOLOGY

(1st Semester)

Course No. : ZOODSC/GE-101T

(Animal Diversity)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

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

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

1. What do you mean by polymorphism in Siphonophora?
2. Write two distinctive characters of Cnidaria.
3. What do you mean by canal system in Sponges?

4. What are the locomotory organelles in protozoans?
5. Write two distinctive characters of Platyhelminthes.
6. Write the systematic position of *Taenia solium*.
7. Mention two parasitic adaptations of *Ascaris lumbricoides*.
8. How many crop chambers are there in the digestive system of leech?
9. What is mosaic vision?
10. Define metamorphosis.
11. What are nematocysts?
12. What do you mean by ommatidium?
13. Define protochordates.
14. Give one example of Cephalochordata.
15. Define Cyclostomata.

16. Write two distinctive features of Agnatha.
17. What is the scientific name of cattle leech?
18. Give two examples of poisonous snakes.
19. Mention two characteristics of poisonous snakes.
20. Write two distinctive features of anurans.

SECTION—B

Answer any *five* of the following questions : 2×5=10

21. Write a brief note on pseudopodia.
22. Classify Porifera up to classes with examples.
23. Write four distinctive characters of Nematelminthes.
24. Write a brief note on the parasitic adaptations of leech.
25. Discuss holometabolous metamorphosis with example.

(4)

26. Write four distinctive characters of Echinodermata.
27. Mention the functions of tube feet.
28. Distinguish between protochordates and vertebrates.
29. Write four salient features of Amphibia.
30. Write four distinctions between poisonous and non-poisonous snakes.

SECTION—C

Answer any *five* of the following questions : $5 \times 5 = 25$

31. Discuss the locomotion in Protozoa with illustration. $3+2=5$
32. Discuss the canal system of Sycon with suitable illustration. $3+2=5$
33. Discuss the life history of *Taenia solium* with suitable illustration. $3+2=5$
34. Discuss the digestive system of leech with suitable labelled diagram. $3+2=5$

(5)

35. Discuss torsion in Gastropoda with suitable illustrations. $3+2=5$
36. Discuss the water vascular system in starfish with suitable labelled diagram. $3+2=5$
37. Discuss the general characters of Urochordata. Add a note on the characteristics of Chondrichthyes. $3+2=5$
38. Discuss osmoregulation in fishes with suitable illustration. $3+2=5$
39. Discuss parental care in Amphibia with suitable illustration. $3+2=5$
40. Discuss the biting mechanism in snakes with suitable illustrations. $3+2=5$
