

**2023/TDC(CBCS)/ODD/SEM/
ZOODSC/GE-101T/027**

TDC (CBCS) Odd Semester Exam., 2023

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 fifteen questions, taking three from each

Unit : 1×15=15

UNIT—I

- 1. What are Protozoas? Give examples.**
- 2. Name the locomotory organelles present in Protozoa.**
- 3. What is canal system?**
- 4. What is the function of dactylozooids?**

(2)

UNIT—II

5. Name the different classes of the phylum Platyhelminthes.
6. Name the disease caused by *Ascaris*.
7. Give two examples from phylum Annelida.
8. Name the primary host of *Taenia solium*.

UNIT—III

9. What type of symmetry is found in arthropods?
10. Define Mollusca.
11. Give two examples of Echinodermata.
12. What are tube feet?

UNIT—IV

13. What are protochordates?
14. What are cyclostomes?
15. Give two examples of Osteichthyes.
16. Name the different types of fin present in fishes.

(3)

UNIT—V

17. Name two poisonous snakes.
18. What type of bone is found in birds?
19. Name one marsupial mammal.
20. Name one Amphibia which exhibits parental care.

SECTION—B

Answer *five* questions, taking *one* from each Unit :

2×5=10

UNIT—I

21. Mention few of the general characters of Porifera.
22. What is polymorphism? In which group of Cnidaria this is most prevalent?

UNIT—II

23. What are flame cells? Mention their function.
24. What is crop in Leeches?

(4)

UNIT—III

25. What do you understand by metamorphosis?
26. Mention few general characters of Mollusca.

UNIT—IV

27. Mention few characters of protochordates.
28. Name the different orders of Cyclostomata.

UNIT—V

29. Differentiate between poisonous and nonpoisonous snakes.
30. Write the general features of placental mammals.

SECTION—C

Answer *five* questions, taking *one* from each Unit :

5×5=25

UNIT—I

31. Classify Protozoa up to classes with proper examples.
32. Draw and describe the water canal system present in *Sycon*.

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(Continued)

(5)

UNIT—II

33. Discuss the life history of *Taenia solium* with proper illustration.
34. Draw and describe the digestive system of Leech.

UNIT—III

35. Write short notes on the following : $2\frac{1}{2} \times 2 = 5$
(a) Metamorphosis in insects
(b) Torsion in Gastropoda
36. Draw and describe the water vascular system in starfish.

UNIT—IV

37. Classify Pisces up to orders with examples.
38. Write short notes on the following : $2\frac{1}{2} \times 2 = 5$
(a) General features of Agnatha
(b) Osmoregulation in fishes

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(Turn Over)

UNIT—V

39. Discuss different types of flight adaptations in birds with examples.
40. Draw and describe the biting mechanism of snakes.

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