

**2020/TDC(CBCS)/ODD/SEM/
ZOODSC/GE-101T/027**

**TDC (CBCS) Odd Semester Exam., 2020
held in March, 2021**

ZOOLOGY

(1st Semester)

Course No. : ZOODSC/ZOOG-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. Write two distinctive characters of Protozoa.
2. What are nematocysts?
3. What are the different types of locomotory organelles found in Protozoa?

(2)

4. What is polymorphism?
5. Write two important functions of canal system in Porifera.
6. What are myonemes?
7. Why is *Taenia solium* included under phylum Platyhelminthes?
8. What is the scientific name of cattle leech ?
9. What is gravid proglottid?
10. Name the classes of phylum Annelida.
11. What is the secondary host of tapeworm?
12. How does Platyhelminthes differ from Nematelminthes?

10-21/22

(Continued)

(3)

13. Write two distinctive characters of phylum Arthropoda.
14. What is torsion?
15. What is ommatidium?
16. Give an example of holometabolous insect.
17. Name the class to which Pila belongs.
18. What is metamorphosis?
19. What are protochordates?
20. Give an example of Urochordata.
21. What is osmoregulation?

10-21/22

(Turn Over)

(4)

22. Write two distinctive characters of Cyclostomata.
23. How does Chondrichthyes differ from Osteichthyes?
24. Mention two salient features of Agnatha.
25. Give one example each of poisonous and non-poisonous snake.
26. What is poison apparatus?
27. Give an example of nest building frog.
28. Name the order to which lizards belong.
29. What are monotremes?
30. How does Palaeognathae differ from Neognathae?

(5)

SECTION—B

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

31. Write four differences between polyp and medusa.
32. Differentiate between cilia and flagella.
33. Write four distinctive characters of Annelida.
34. Write a note on parasitic adaptations of Ascaris.
35. Write four salient features of phylum Mollusca.
36. Write a note on vision in Arthropoda in dim light.
37. Distinguish between Chordata and Vertebrata.
38. Write four salient features of class Pisces.
39. Write a short note on marsupial mammals.
40. Write four distinctive features of class Amphibia.

SECTION—C

Answer any *five* of the following questions : 5×5=25

41. Describe the various forms of polyps and their functions found in Siphonophora.
42. Describe the canal system in Sycon with suitable illustrations.
43. Describe the life cycle of *Ascaris lumbricoides* with suitable illustrations.
44. Describe briefly the digestive system of leech with suitable diagram.
45. Describe water-vascular system in starfish with diagram.
46. Describe the mechanism of torsion in Gastropoda and mention its significance. 4+1=5
47. Discuss the mechanism of osmoregulation in marine fishes with suitable illustrations.

48. Classify superclass Pisces up to order with characters and examples.
49. Discuss the biting mechanism in snake with suitable diagram.
50. Write about various adaptive features found in bird associated with flight.

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