



**2020/TDC(CBCS)/ODD/SEM/  
ZOODSE-502T/036**

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

**ZOOLOGY**

**( 5th Semester )**

**Course No. : ZOODSE-502T**

**( Fish and Fisheries )**

Full Marks : 50

Pass Marks : 20

**Time : 3 hours**

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

**SECTION—A**

**Answer any ten of the following questions :  $2 \times 10 = 20$**

- 1. Define an elasmobranch fish.**
- 2. State an anatomical and a morphological difference between a marine and a freshwater fish.**
- 3. What is clasper?**



( 2 )

4. Mention two morphological characters of cat-fishes.
5. State the function of swim bladder.
6. Mention the types of scales present in Anabas along with their significance.
7. Give example of two fishes that have electric organs.
8. What is bioluminescence? What is its significance?
9. Write the full form of GIS-RS.
10. Mention two causes of depletion of freshwater fish resources.
11. What is the suitable pH range for freshwater pisciculture?
12. Name two marine fishing gears.
13. Define intensive pisciculture.
14. State the basic differences between pen and cage cultures.
15. What do you understand by hypophysation?

10-21/137

( Continued )

( 3 )

16. Define composite pisciculture.
17. What is EUS?
18. Name one bacterial and one viral fish disease.
19. Name two fish by-products.
20. State about two preservatives that are widely used in fish processing.

SECTION—B

Answer any *five* of the following questions :

6×5=30

21. Discuss the characteristics of two important classes of superclass Pisces.
22. Elaborate the feeding habits of Pisces with examples.
23. Discuss about the patterns of parental care in fishes with examples.
24. Describe the electric organs and their uses found in different types of fishes.

10-21/137

( Turn Over )





( 4 )

25. Write the causes of depletion of fisheries resources in India.
26. Write an essay on fishing craft and gears used in Barak Valley.
27. State the differences and advantages of pen and cage cultures.
28. Describe the stages of induced breeding in fishes.
29. Describe the methods of fish preservation for harvested fishes.
30. Discuss about the various types of parasitic diseases found in pisciculture.

\*\*\*