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6 SEM TDC DSE ZOO (CBCS) 2 (H)

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(May/June)

ZOOLOGY

(Discipline Specific Elective)

(For Honours)

Paper : DSE-2

(**Fish and Fisheries**)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

1. Fill in the blanks : 1×5=5

(a) The lateral line system enables a fish to detect _____ in water.

(b) In some fishes, the _____ fin aids in walking.

(c) _____ scales are also called dermal denticles.

(2)

- (d) When more than single species of fish is cultured at a time, it is called ____.
- (e) Chondrichthyes includes ____ fishes.
2. Write short notes on the following (any two) : $4 \times 2 = 8$
- (a) Transgenic fish
- (b) Extensive fish culture
- (c) Fish by-products
3. Classify fishes on the basis of their feeding habit and manner of reproduction. $4 + 6 = 10$
- Or
- Describe the different types of fins found in fishes. 10
4. Describe the different types of fishing crafts and gears. 10
- Or
- Explain the different reasons for the depletion of fisheries resources in India. 10
5. What is composite fish culture? Describe the merits and demerits of composite fish culture. $2 + 8 = 10$

(3)

Or

- Explain the process of preparation and maintenance of fish aquarium. 10
6. What is parental care? Discuss the different modes of parental care found in fishes, $2 + 8 = 10$
- Or
- What is bioluminescence? Write the various functions of mechanoreceptors. $3 + 7 = 10$
