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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) :

4×2=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

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(Continued)

(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

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