

Total No. of Printed Pages—3

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

2 0 2 4

(May)

ZOOLOGY

(Discipline Specific Elective)

Paper : DSE-2

(**Fish and Fisheries**)

(For Honours)

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) Fin rot is caused by ____.
- (b) Cast net is a common fishing ____.
- (c) ____ is a sensory system in fishes used to detect vibration and movement in water.

(2)

- (d) Skeletons of Chondrichthyes are primarily composed of ____.
- (e) ____ are the prime organs of swimming in fishes.
2. Write the use of scales in classification and determination of age of fish. 5
3. Write short notes on any *three* of the following : 3×3=9
- (a) Bioluminescence
- (b) Parental care in fish
- (c) Swim bladder
- (d) Composite fish culture
4. Why do fishes migrate? Write briefly about the types of fish migration. 2+5=7
5. What are fishery by-products? Give a note on different fishery by-products. 2+5=7
6. What is pisciculture? Write about the application of remote sensing and GIS in fisheries. 2+8=10

Or

Distinguish between pen and cage culture. Write the role of water quality parameters in aquaculture. 10

(3)

7. What is sustainable aquaculture? Write about extensive and intensive aquaculture. 2+4+4=10

Or

Why is Zebrafish used as model organism in research? Add a brief note on preparation and maintenance of fish aquarium. 10
