

Total No. of Printed Pages—3

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

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(June/July)

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) Fish scales are produced from the _____
layer of the dermis.

(b) Fish that give birth to live young is
called _____ fish.

(c) Migration of fish from freshwater to sea-
water is called _____.

(2)

(d) Weberian ossicles increase a fish's sensitivity to _____.

(e) Fin rot is a fish disease resulted from a _____ infection.

2. Distinguish between the following pairs (any two) : 2×2=4

(a) Osteichthyes and Chondrichthyes

(b) Gills and Air Bladder

(c) Cycloid scales and Placoid scales

3. Write short notes on (any two) : 5×2=10

(a) Bioluminescence

(b) Induced breeding of fish

(c) Transgenic fish

4. What are the general characters of fish? Give an account of systematic classification of Pisces up to classes. 5+7=12

Or

What is pisciculture? Give a note on different kinds of fish culture practices. 2+10=12

(3)

5. What are fishery by-products? Give a note on preservation and processing of fish. 3+7=10

Or

Describe the application of remote sensing and GIS in fisheries. 5+5=10

6. What is induced breeding of fish? Describe the management of finfish hatcheries. 2+10=12

Or

What is fish aquarium? Describe the different diseases of fish. 2+10=12
