



Seat No. _____

H-003-1184001

M. Sc. (Sem. IV) (CBCS) (W.E.F. 2016) Examination

April - 2023

Zoology : ZOOL-419

(Aquaculture & Fisheries Technology)

(CORE)

Faculty Code : 003

Subject Code : 1184001

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

1 Answer the following very briefly (Any Seven) : 2×7=14

- (a) Why Fish changing its Colour ?
- (b) What includes in the Crustacean Fishery ? Define with example.
- (c) What are the Fishing Gears ?
- (d) Define Jawless fishes with suitable examples.
- (e) Define, what are the accessory respiratory organs in fishes ?
- (f) Give the example of Pomfret Fishery with its scientific name.
- (g) What is FPC ?
- (h) Define Bony fishes with suitable examples.
- (i) What are Fingerlings ?
- (j) What are the fish by-products ? Give suitable examples.

2 Answer of the following (Any Two) : 7×2=14

- (a) Describe aquaculture and its importance.
- (b) Describe various types of boats.
- (c) Describe various aquaculture farming techniques.

3 Answer the following : **7×2=14**

- (a) How many kinds of salting methods of fish preservation are there ? Explain well.
- (b) Write detailed notes on Waste Management in the fisheries sector.

OR

- (a) Write detailed notes on HACCP System.
- (b) Describe the various Final Products in fisheries marketing.

4 Answer the following : **7×2=14**

- (a) Write detailed notes on Reproductive strategies of fishes.
- (b) Describe the factors controlling induced breeding in the fishes.

5 Answer the following (Any Two) : **7×2=14**

- (a) Describe the Freshwater capture and culture fisheries with their status in India and Gujarat.
 - (b) Describe the Prawn fishery in India and Gujarat.
 - (c) Describe the Bombay duck fishery.
 - (d) Describe the Marine capture fisheries status in India and Gujarat.
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