



MBS-003-1184001

Seat No. _____

M. Sc. (CBCS) (Sem. IV) Examination

April / May- 2018

ZOOL-419 : Zoology

(Aquaculture & Fisheries Technology)

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) Briefly describe aquaculture and creation of business opportunities.
- (b) Classify major orders of class pices.
- (c) Describe the concept of intensive fish culture.
- (d) Write the applications of hook and line technique.
- (e) Name few fish diseases caused by protozoans.
- (f) Write any one type of parental care found in fish.
- (g) Define the term overfishing.
- (h) Write uses of fish flour.
- (i) Give few names of the main marine fish landing sites of Gujarat.
- (j) Describe the major disadvantages of preservation by drying.

2 Write short notes : (any two) 7×2=14

- (a) Describe major boat making woods and add a note on their advantages.
- (b) Write a short note on two main fishing boats of Gujarat.
- (c) Write a note on the gill nets and its application in marine fisheries.

3 Answer the following : **7×2=14**

- (a) Write a note on the principal aspects of the fisheries management.
- (b) Describe the status of Pomfret fishery in Gujarat.

OR

3 Answer the following : **7×2=14**

- (a) Write a note on the major bacterial diseases of the fish and their control.
- (b) Write a short note on the fish preservation by freezing method.

4 Answer the following : **7×2=14**

- (a) Write a technical note on the induced breeding of fish.
- (b) Write a short note on the colour changing behavior in fish.

5 Answer the following : (any **two**) **7×2=14**

- (a) Describe various fish processing techniques and their usage.
- (b) Describe various byproducts derived from fisheries resources.
- (c) Write a note local fish marketing strategies of the freshwater fisheries in India.
- (d) Briefly describe the role of accessory respiratory organs in fish.
