



**PR-003-1184001**

Seat No. \_\_\_\_\_

**M. Sc. (Zoology) (Sem. IV) (CBCS)**

**(w.e.f. 2016) Examination**

**August - 2020**

**ZOOL-419 : 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) Give the scope of Aquaculture.
  - (b) Describe the classification of Pisces.
  - (c) Define extensive culture of fish.
  - (d) Write the applications of hook and line net.
  - (e) Write fish gelatin and its uses.
  - (f) Write the generation of jobs in aquaculture.
  - (g) Methods for reducing overfishing.
  - (h) Major fish landing sites of India.
  - (i) Prawn landing sites of Gujarat.
  - (j) Fish spawning migration.
- 2** Write short notes : (any **two**) **7×2=14**
- (a) Write a note on the speciality of main fishing boats of Gujarat.
  - (b) Write a note on the trawl net and its application.
  - (c) Write a note on Surumi.
- 3** Answer the following : **7×2=14**
- (a) Describe the status of Bombay Duck fishery in Gujarat.
  - (b) Write a short note on the estuarine capture fisheries in India.

**OR**

- 3** Answer the following : **7×2=14**
- (a) Write a short note on the fish preservation by different salting methods.
  - (b) Write a note on the major fungal diseases of the fish and their control.

4 Write the following : **7×2=14**

- (a) Write a short note on the major fish byproducts.
- (b) Explain 'Drawn Fish'. Write the significance in fish marketing.

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

- (a) Write a note on HACCP and its critical point.
  - (b) Describe the types of major boat making woods and their significance.
  - (c) Write a short note on the origin of chromatophore in fish.
  - (d) Write a note on various accessory respiratory organs in fish.
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