



**BBA-003-1184001**

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

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

**July - 2021**

**ZOOL - 419 : Zoology**

*(Aquaculture & Fisheries Technology)*

**Faculty Code : 003**

**Subject Code : 1184001**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Instructions :** Attempt any five questions.

- 1** Answer the following very briefly: **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
- 2** Answer the following very briefly: **2×7=14**
- (a) Describe composit fish culture
  - (b) Write the applications of hoop net
  - (c) Major fish landing sites of India
  - (d) Prawn landing sites of Gujarat
  - (e) Fish spawning migration
  - (f) Name few protozoan diseases of fish
  - (g) Write the main scopes of aquaculture
- 3** Write short notes: **7×2=14**
- (a) Write a note on the specialty of main fishing boats of Gujarat
  - (b) Write a note on the trawl net and its application

- 4 Answer the following very briefly: 7×2=14  
(a) Write a note on Surumi.  
(b) Briefly describe the different freezing methods for preservation of fish
- 5 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
- 6 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
- 7 Answer the following: 7×2=14  
(a) Write a short note on the major fish byproducts  
(b) Explain 'Drawn Fish'. Write its significance in fish marketing
- 8 Answer the following: 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
- 9 Answer the following very briefly: 7×2=14  
(a) Write a short note on the origin of chromatophore in fish  
(b) Write a note on various accessory respiratory organs in fish
- 10 Answer the following very briefly: 7×2=14  
(a) Describe the strategies on freshwater and marine fish marketing  
(b) Briefly describe the reproductive behavior in fish.
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