



DGG-003-018401

Seat No. _____

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

May/June – 2015

Z - 419 : Zoology

(Aquaculture & Fisheries Technology)

Faculty Code : 003

Subject Code : 018401

Time : 2½ Hours]

[Total Marks : 70

- Q.1. Answer the following very briefly (*any seven*) 2 x 7 = 14
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| (a) Define aquaculture | (b) Detailed systematics of class Pisces |
| (c) Define intensive culture | (d) Applications of drift net |
| (e) Isinglass and its uses | (f) Aquaculture and job opportunities |
| (g) Overfishing problem | (h) Labyrinthiform organ |
| (i) Marine fish landing sites of Gujarat | (j) Fish spawning migration |
- Q.2. Write short notes (*any two*) 7 x 2 = 14
- (a) Major aquaculture techniques
 - (b) Trawl net and its application
 - (c) Important boat making woods used in India
- Q.3. Answer the following : 7 x 2 = 14
- (a) Colour changing behaviour of fish and its significance.
 - (b) Reproductive behavior of fish and its significance
- OR**
- Q.3. Answer the following : 7 x 2 = 14
- (a) Major fungal diseases of fish and their control
 - (b) Accessory respiratory organs in fish
- Q.4. Answer the following: 7 x 2 = 14
- (a) Hypophysation technique for artificial breeding of fish
 - (b) Brief account of the traditional fishing boats of Gujarat
- Q.5. Answer the following (*any two*) : 7 x 2 = 14
- (a) Write a short note on the fish byproducts
 - (b) Briefly describe the process of fish preservation by salting
 - (c) Describe Pomfret fishery, fishing season and main landing sites.
 - (d) Write a short note on the Gill net and its applications