

CSM—31/23
PART—II/PAPER—VII
FISHERY SCIENCE
PAPER—II

**Candidate
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write on
this margin.**

Time : 3 Hours

Full Marks : 250

*The question paper contains **18 (Eighteen)** questions
in **GROUP—A (12)** and **GROUP—B (06)** together.*

GROUP—A

*Candidates to attempt **10 (ten)** questions within word limit of **250**.
Each question carries **15** marks.*

1. Discuss the differences in the fish farms, raceways, beels, lakes and dams.
2. Describe the bioremediation and its importance in aquaculture.
3. Describe the breeding of Guppy and Molly fishes.
4. Describe the composite fish culture and cost benefit ratio.
5. Describe the feed ingredients and their importance in fish breeding and health.
6. Discuss the importance of probiotics and essential amino acids.
7. Which types of food is used in lobster culture and breeding? Discuss.
8. Discuss the hypophysation technique in induced breeding and its importance.
9. Describe the importance of diploidy and polyploidy in the breeding.
10. Describe the common parasitic diseases and their control.
11. Describe the types of vaccine and their modes of action.
12. Discuss the defense mechanism of fish and shellfish.

GROUP—B

**Candidate
must not
write on
this margin.**

*Candidates to attempt **05 (five)** questions within word limit of **300**.
Each question carries **20** marks.*

- 13.** Describe the classification of fishing crafts and their maintenance.
- 14.** Discuss on fishing gears fabrication, care and maintenance.
- 15.** Describe the amino acids, fatty acids and vitamins found in fishes and their importance in human.
- 16.** Discuss the impact of abiotic factors in fish canning.
- 17.** Discuss on the types of value added products prepared from fish.
- 18.** Discuss on the spoilage of fishes and their control measures.

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