

CSM—30/23
PART—II/PAPER—VI
FISHERY SCIENCE
PAPER—I

Candidate
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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. Describe the fisheries education in India.
2. Describe the anatomy of squids.
3. Give a detailed account on the major marine fishery resources of India.
4. Describe the principles of various chromatographic techniques and their applications.
5. Explain the physical agents, chemical agents, antibiotics and chemotherapeutic agents used for the control of microorganisms.
6. Classify and describe various types of inland waterbodies.
7. Describe the food chain, food web and nutrient cycle involved in the aquatic ecosystem.
8. Describe El-Nino and its effect on marine environment.
9. Describe the structure and functions of fishermen cooperatives in India.

10. Give a detailed account on the extension teaching methods.
11. Discuss the salient features of the Orissa Marine Fishing Regulation Act.
12. Explain different sampling methods related to fisheries studies.

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

GROUP—B

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

13. Describe the taxonomical characteristics of the order Perciformes.
14. What is glycolysis? Describe its various steps with a neat flowchart.
15. Discuss the feeding and breeding habits of finfishes.
16. Describe various physico-chemical and biological characteristics in relation to aquaculture.
17. Describe the sewage treatment and effluent management of wastewater with a neat flow diagram.
18. Give a detailed account on disaster awareness and disaster preparedness related to fisheries and aquaculture.

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