

**2024/FYUG/EVEN/SEM/
IFFDSM-151T/140**

FYUG Even Semester Exam., 2024

INDUSTRIAL FISH AND FISHERIES

(2nd Semester)

Course No. : IFFDSM-151T

(Aquaculture and Aquatic Environment)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *ten* of the following questions : $2 \times 10 = 20$

1. What is aquaculture? Cite at least two examples of non-piscine organism.
2. Write briefly the present status of aquaculture in India.
3. What is fin fish? Give an example of a brackish water lake.

SECTION—B

Answer any five of the following questions :

10×5=50

4. Differentiate between food chain and food web.
5. State the importance of planktons in fishery ponds.
6. Write note on dynamics of lentic water environment.
7. Write the scientific name of copper masheer. Name two fishes cultured in cold water.
8. State the advantages of *Macrobrachium* sp. culture in India.
9. Note down the importance of cage culture.
10. How does sewage differ from sludge?
11. Give two examples of carnivorous fish.
12. State the advantages of poultry-cum-fish culture.
13. What are aquatic weeds? Give two examples.
14. Write a note on hill stream fishes.
15. Write note on the concept of exotic fishes with example.

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(Continued)

16. Discuss in detail the history of aquaculture in India.
16. Describe the basic considerations in the selection of species for aquaculture.
17. What do you mean by limiting factors? Discuss Liebig's law of the minimum and Shelford's law of tolerance.
18. Discuss in detail the management of soil and water for aquaculture.
19. Describe the method of pen culture of fish and state its significance of fishery.
20. How monoculture differ from mono-sex culture? Describe the freshwater pearl culture.
21. Discuss in detail the concept of organic aquaculture and state its role in a fishery pond.
22. What is sewage-fed fish culture? Discuss in detail the sewage treatment techniques for fish culture and its use in fishponds.
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(Turn Over)

24. Discuss in detail the aquatic weeds. Add a note on the control of aquatic weeds.

25. Describe the nutritional requirements of fishes and add a note on feeding techniques.

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