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25-FF-43-A

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION
MAY - JUNE 2025**

FISHERIES
Paper - III
[Live Food Culture]

[Max. Marks : 75]

[Time : 3:00 Hrs.]

[Min. Marks : 26]

Note : Candidate should write his/her Roll Number at the prescribed space on the question paper.
Student should not write anything on question paper.
Attempt all five questions. Each question carries an internal choice.
Each question carries **15 marks**.

- Q. 1** Describe nutritional requirement of fishes and shell fishes and explain body composition of fishes and shell fishes.

OR

Explain the prospects of live feed culture and describe the nutritional values of live feed?

- Q. 2** Describe algal culture techniques, explain harvesting and preservation of micro algae?

OR

Explain nutritional values of microalgae and use of microalgae in aquaculture?

- Q. 3** Describe various factors affecting rotifer culture, Explain preparation of stock culture?

OR

Explain artemia culture, culture of Naupl its nutritional quantities and its application?

- Q. 4** Describe production of copepods. Explain culture techniques, use of resting eggs and application of horticulture?

OR

Describe trochophore larva culture. Explain Cryopreservation ?

- Q. 5** Write an essay on Duck weed culture. Explain use of Duckweed in fish nutrition?

OR

Write an essay on seaweed cultures, use of seaweeds, seaweed resources in India and methods of seaweed farming.