

(2)

7. What are fish pheromones?
8. What do you mean by Eco-Carp hatchery?

Group - B

Answer any **four** questions. 5×4=20

9. What do you mean by crossing over? Explain paracentric and pericentric inversion.
10. What is sterile fish? Write the process of sterile fish production. 1+4
11. Describe different types of fish hybridization in fish.
12. Explain the process of fertilization in fish.
13. Write a note on secondary sexual characters in fishes.
14. Describe the process of cryopreservation of fish gametes.

Group - C

Answer any **one** question. 10×1=10

15. (i) What do you mean by recombinant DNA? Discuss its application in fisheries management.
(ii) Describe oogenesis in teleost fish. 5+5
16. (i) Write the process of gynogenesis in fish.
(ii) Describe the exogenous and endogenous factors that influences fish reproduction. 5+5

Total Pages : 2

B.Sc./2nd Sem (H)/ACM/24(CBCS)

2024

2nd Semester Examination

**AQUACULTURE MANAGEMENT
(Honours)**

Paper : C 4-T

(Genetics and Reproduction in Fish)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** questions. 2×5=10

1. Write short note on natural fish breeding.
2. What do you mean by transgenic fish?
3. Enlist the name of endocrine glands in fish.
4. What is inbreeding depression?
5. What do you mean by complete linkage?
6. Define oviparity and viviparity.

P.T.O.