

SUBJECT CODE NO: - FNP-6185
FACULTY OF SCIENCE AND TECHNOLOGY
MSC. S.Y.(SEM-III)(NEP Pattern-2023-2024) Zoology
Examination November / December 2025
Fishery Science I SBC166063T

[Time: 1:30 Hours]

[Max. Marks: 45]

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) Draw diagram whenever necessary.
- 3) Use Only blue or black pen for writing.

Q1 Attempt the following multiple question**10**

1. What is the main difference between freshwater and marine fish regarding their gill structures?
 - a) Freshwater fish have larger gills.
 - b) Marine fish have gills adapted to lower oxygen levels.
 - c) Freshwater fish have specialized gill structures to handle lower salinity.
 - d) Both have identical gill structures
2. Which of the following fish is an example of a freshwater species?
 - a) Great white shark
 - b) Bluegill
 - c) Manta ray
 - d) Hammerhead shark
3. Which hormone is commonly used for inducing spawning in major carp?
 - a) Testosterone
 - b) LHRH (Luteinizing Hormone-Releasing Hormone)
 - c) Estrogen
 - d) Cortisol
4. Which type of fertilizer is most commonly used in fish pond management?
 - a) Organic fertilizers
 - b) Inorganic fertilizers
 - c) Chemical pesticides
 - d) Both organic and inorganic fertilizers
5. Which major carp species is most commonly used in aquaculture for induced breeding?
 - a) Catla catla (Catla)
 - b) Labeo rohita (Rohu)
 - c) Cirrhinus mrigala (Mrigal)
 - d) All of the above

Q2 Write a short note on any three

- Explain aquatic ecosystem
- Plankton
- Non-Conventional fishing method
- Cage Culture
- Hybridization

**Q3 Attempt any two in detail**

- Describe the prophylaxis of fish disease.
- Write an essay on the food value of fish.
- Describe the factors affecting the productivity of fish ponds.