

SECOND TERMINAL EXAMINATION
STD – XI
Subject: Fresh Water Fish Culture
Paper II

Time: 3 Hours

Max. Marks: 50

- Instructions:**
- 1) Question No. 1 is compulsory.
 - 2) Attempt any three from Q. No. 2, 3, 4 and 5.
 - 3) Attempt any one from Q. No. 6 and 7.
 - 4) Draw well labelled diagram wherever necessary.
 - 5) All questions carry equal marks.

Q.1 Fill in the blanks by choosing appropriate words from the words given in the bracket and rewrite the sentence. (Any Ten) (10 M)

- 1) The _____ are highly energy yielding substances.
(Proteins / Fats and Oils / Carbohydrates)
- 2) The fish _____ has fastest rate of growth.
(Labeo / Mrigal / Catla)
- 3) _____ is the study of all types of fresh water.
(Ecology / Limnology / Marinology)
- 4) Primary production is highly dependent on _____.
(Pond soil / Light energy / Ecosystem)
- 5) Proportion of pond food groundnut oilcake and rice bran is _____.
(40:60 / 45:55 / 50:50)
- 6) Sinkers are made up of _____.
(Nylon / Thermocol / Iron)
- 7) Boat is a _____.
(Craft / Gear / Breeding Method)
- 8) The new technique of induce breeding is called as _____.
(Hypophysation / Linpe Method / Pituitary extract method)
- 9) Fish seed collected with the help of _____ nets.
(Shooting nets / Traps / Throwing nets)
- 10) Nets are made to float by _____.
(Buoy / Sinker / Webbing)
- 11) Young larvae after yolk sac is absorbed are called as _____.
(Fingerlings / Spawn / Fry)
- 12) Cast net is operated from _____.
(Mid of water / Shore / high tide)

Q.2 Answer the following in one sentence. (Any Ten) (10M)

- 1) Sinkers are fitted in which part of net?
- 2) What is general range of pH of water required for fish culture?

- 3) Write any two physical factors of limnology?
- 4) Write the names of male and female reproductive organs in fishes.
- 5) Which is the smallest river system in India?
- 6) What is Craft?
- 7) Which thread is common for making nets?
- 8) Which is the last phase of maturity cycle in female fish?
- 9) What is the standard temperature of water required for fish culture?
- 10) Name any two types of nets.
- 11) Name any two types of artificial food for fish.
- 12) Define limnology?

Q.3 Attempt any five. (10 M)

- 1) What is fishing cycle?
- 2) Describe hook used in line fishing.
- 3) What are the characters of brood fish.
- 4) Give two preservation techniques of the gear.
- 5) What is rampani net.
- 6) What is endocrine physiology?
- 7) Describe wet bundh breeding.

Q.4 Write short notes. (Any Five) (10 M)

- 1) Oogenesis in fishes.
- 2) Fish seed.
- 3) Concept of productivity.
- 4) Nutrition of Fish.
- 5) Role of Sertoli cells in reproduction.
- 6) Catamaran.
- 7) Induced breeding by hormones.

Q.5 Give brief accounts of- (10 M)

- a) Pond ecosystem
- b) Food pyramid in a pond

Q.6 Explain nutrition and growth of fishes in detail. (10 M)

OR

Q.6 Explain in detail physio-chemical factors affecting fish culture.

Q.7 Give a detail account of reproductive physiology in fishes. (10 M)

OR

Q.7 Describe gill nets with its different types.