

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

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) _____ is a carnivorous fish.
(Silver Carp / Gourami / Murrel)
- 2) Rohu is a _____ Carp.
(Major / Minor / Exotic)
- 3) Breeding in special type of ponds is called as _____.
(Happas / Induce breeding / Bundh)
- 4) _____ is a commercially important fish.
(Rasbora / Catla / None of these)
- 5) China produces _____ % of all aquaculture products.
(47% / 67% / 57%)
- 6) _____ hormones are used in fish breeding.
(Steroid / Progesterone / None of these)
- 7) The colour of yolk of catla is _____.
(Pale blue / Green / Reddish)
- 8) The consumption of fish per person in India is about _____ Kg per year.
(1.52 / 2.12 / 1.72)
- 9) _____ is with fringed lipped mouth, which is adapted for browsing habit.
(Mrigala / Labeo rohita / Catla - catla)
- 10) In Kerala _____ fields are used for the culture of prawns and fishes.
(Rice / Pokkali / Coconut)
- 11) Fish belongs to sub phylum _____.
(Animalia / Vertebrata / Gnathostomata)
- 12) In Chondrichthyes fishes the scales are _____.
(Placoid / Ctenoid / Cycloid)

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

- 1) Write the biological name of 'Mrigal' .
- 2) Write various developing stages of fish.

- 3) What are different types of ponds?
- 4) Name the various types of fisheries.
- 5) Write two names of exotic carps.
- 6) What is IMC?
- 7) What is general size of Happa?
- 8) Give two names of zooplankton.
- 9) Name bi-products of fish industry.
- 10) State types of market.
- 11) Name bottom feeder fishes.
- 12) What are two main types of fish food?

Q.3 Attempt any five. (10 M)

- 1) Characters of fresh fish.
- 2) Give an account on marketing.
- 3) Classify fish up to class level.
- 4) Write characters of capture and culture fisheries.
- 5) Describe Intestine in Herbivorous fish.
- 6) What is Gastro-Stomatic Index?
- 7) What is Hypophysation?

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

- 1) Food and feeding habits of fishes.
- 2) Duck cum Fish Farming.
- 3) Different Preservation techniques.
- 4) Fish processing.
- 5) Carnivorous fishes.
- 6) Plankton and its types with examples.
- 7) Liver of fish.

Q.5 Describe various fish activities by considering the following- (10 M)

- a) Fish Catching
- b) Fish Processing
- c) Marketing

Q.6 Describe the role of fresh water fisheries in rural development of the country. (10 M)

OR

Q.6 Write in detail about reproduction in fishes.

Q.7 Give an account on "Different Fish Breeding Techniques". (10 M)

OR

Q.7 Describe the various embryonic developmental stages of Indian major carps.