

ZOOLOGY Paper-II (ZOO-602 C)

(Applied Zoology-II Opt. (iii) Inland Fisheries and Aquaculture-II)

Time Allowed : 3 Hours

Maximum Marks : 36

Note : Attempt five questions in all. Question No. 1 is compulsory. Attempt at least one question from each Unit. Draw diagrams wherever necessary.

1. Explain the following briefly :

(a) Name the disease caused by a trematode in fishes.

(b) Write the scientific name of suitable spp. used for culture practices of Prawn.

- (c) Name any two inland cold water fishes.
- (d) Name the causative agent and symptoms of fin rot disease in fishes.
- (e) What is the scope of Integrated Fish Farming ?
- (f) Drag Net.
- (g) What is the importance of fish liver oil ?
- (h) Rigor mortis.

8×1=8

UNIT-I

2. Write notes on the following :
- (a) Different types of Trap nets used in fishing and their importance.
- (b) Electrical Fishing. 4,3
3. What is composite fish culture ? Discuss the objectives and methods of polyculture in India. 7

UNIT-II

4. Define Integrated Fish Farming. Describe poultry-cum-fish farming. 7
5. (a) Discuss the technique used in Pearl Culture in India.
- (b) Define fish seed and mention the precautions during the transportation of fish seed. 4,3

UNIT-III

6. Give a brief account of any one of the viral, protozoan and fungal disease in fishes. Suggest the measures to prevent the infectious diseases of fishes. 7
7. (a) Technology used in the culture of fresh water Prawn. 4,3
- (b) Explain Trout Fisheries.

UNIT-IV

8. Write an account on the fish by-products and their importance. 7
9. (a) What are the advantages of preservation of fish. 4,3
- (b) Explain the reasons for the spoilage of fish.