

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	4	6	0
---	---	---	---

Exam. Code :

0	0	0	5
---	---	---	---

B.A./B.Sc. (General) 5th Semester
(2122)

ZOOLOGY

Paper : II, Applied Zoology-I

Opt.(iii) : Inland Fisheries & Aquaculture-I (ZOO-502C)

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt total **FIVE** questions in all, including Question No. 1 which is compulsory and selecting **ONE** question from each unit. Draw relevant diagrams wherever necessary.

1. Write briefly on the following :—

- (a) Advantages of cage culture.
- (b) Write the name of any two air breathing fishes.
- (c) State any three types of vitamins present in fish meat.
- (d) What is fecundity of fish ?
- (e) What do you mean by capture fishery ?
- (f) Role of weeds in fish ponds.
- (g) Feeding habit of Catla.
- (h) Name three fertilization chemicals used in fish pond.

8×1=8

UNIT—I

2. What do you mean by cage culture ? State the types of cages used in cage culture and disadvantages of cage culture. 7
3. Write a note on :
 - (i) Exotic fishes
 - (ii) Pen culture. 4,3

UNIT—II

4. Fishes have different types of mouth structures on the basis of their feeding habits. Explain the statement. 7
5. (a) State the types of Amino acids and minerals present in Fish meat. 3
- (b) Bionomics of *cirrihinus mrigala* and *labeo rohita*. 4

UNIT—III

6. Explain the procedure of induced breeding and its advantages. 7
7. Explain the following :
 - (a) Advantage and purpose of introducing exotic fish species in India. 4
 - (b) Impact of exotic fishes on Indian fishes. 3

UNIT—IV

8. (a) Explain the types of ponds used in fish culture and types of soil used for it. 4
- (b) What are the different ways in which aquatic weeds can be controlled in fish pond ? 3
9. Write a note on :
 - (a) Nursery pond 2
 - (b) Liming of pond. 5