

(i) Printed Pages : 2 Roll No. ....

(ii) Questions : 9 Sub. Code : 

1	7	4	5	9
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Exam. Code : 

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B.A./B.Sc. (General) 5<sup>th</sup> Semester  
(2124)

**ZOOLOGY**

**Paper-II : Applied Zoology-I Opt.-(iii) : Inland Fisheries &  
Aquaculture-I (ZOO-502C)**

**Time Allowed : Three Hours] [Maximum Marks : 36**

**Note :—** Attempt **FIVE** questions in all. Question No. 1 is compulsory and select **ONE** question from each Unit. Draw relevant diagrams wherever necessary.

1. Write briefly on the following :—

- (a) Advantages of Pen Culture.
- (b) Give scientific names of two air breathing fish.
- (c) Nursery pond.
- (d) What is carrying capacity of a pond ?
- (e) Effect of adding lime to pond.
- (f) Advantages of Induced breeding.
- (g) Vitamins present in fish meat.
- (h) Materials used for constructing a fish pond. 8×1=8

## UNIT—I

2. Explain the characteristics of typical Cat fish. 7
3. Describe :
  - (a) Methods of cage culture practice. 4
  - (b) What is the difference between Intensive, Semi-intensive and Extensive fish culture ? 3

## UNIT—II

4. Explain why eating of meat is useful for human health. 7
5. State :
  - (a) Bionomics of *Cirrihinus mrigala* and *Labeo rohita*. 4
  - (b) Write a note on capture fishery. 3

## UNIT—III

6. Describe the role of exotic fishery in our fish culture and state its disadvantages. 7
7. Explain :
  - (a) History of Induced breeding. 4
  - (b) Chemicals involved in induced breeding. 3

## UNIT—IV

8. Describe various types of ponds used in fish farming. 7
9. (a) How can aquatic weeds be controlled by chemical method in fish farms ? 4
- (b) Write a note on post stocking maintenance of pond. 3