

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9

Sub. Code :

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B.A./B.Sc. (General) 5th Semester
(2125)

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, including Question No. 1, which is compulsory and selecting one question from each Unit. Draw relevant diagrams wherever necessary.

I. Write brief notes on the following :

- Effect of pH on pond
- Capture fishery
- What is dyke?
- What are Brood fishes?
- Feeding habit of *Wallago attu*.
- Why liming is required in ponds.
- Rainfed ponds.
- Necessity of Exotic fishes in India

8×1

UNIT—I

- II. (a) Explain the characteristics of Eels.
(b) Explain the morphology of *Ctenophryngodon idella*. 4,3
- III. Give an account of Cage culture, stating its merits and demerits. 7

UNIT—II

- IV. (a) State the Proteins, vitamins and minerals present in meat of fishes.
(b) Explain the Bionomics of *Cirrhinus mrigala* and *Labeo rohita*. 4,3
- V. Explain various modifications shown by fishes according to their feeding habits. 7

UNIT—III

- VI. (a) State the morphology of *Cyprinus carpio* and purpose of its introduction.
(b) Describe various chemicals used in induced breeding technique. 4,3
- VII. (a) Explain the role of Exotic fishery in Indian fishery.
(b) Discuss the impacts of Induced Breeding on fish culture 4,3

UNIT—IV

- VIII. Explain the types of ponds used in fish culture and the type of soil used for it. 7
- IX. State the biological and chemical control of Aquatic weeds in a pond. 7