

**K-539**

Total Pages : 3

Roll No. ....

**MZO-611B**

**FISH BREEDING AND PRODUCTION  
TECHNOLOGY**

M.Sc. Zoology (MSCZO)

4th Semester Examination, 2023 (Dec.)

**Time : 2 Hours]**

**[Max. Marks : 35**

**Note :** This paper is of Thirty Five (35) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

**SECTION–A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Describe in detail about the measurement, conditioning, packing & Transportation of fish seeds.
2. What are the salient features for the successful breeding of common carp (*Cyprinus carpio*)?
3. Describe the induced breeding techniques in different carp species.
4. Explain the different culture system like Extensive, Semi-extensive and Intensive culture system of carps.
5. Explain in detail the basic steps involved in freshwater Pearl culture operations.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. What is Aquariology? Explain.
2. Explain the process of Hybridization in fishes.
3. Explain the zooplanktons and phytoplanktons.

4. How will you Layout the diagram of a five acre model of fish farm?
  5. What are the equipments of the fish hatchery?
  6. Write a short note on the weeds control in aquaculture.
  7. Briefly explains the water quality management in Aquaculture.
  8. Write a short note on the nursery pond management.
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