

P-970

Total Pages : 3

Roll No.

ZO-554(B)

Applied Aquaculture

M.Sc. Zoology (MSCZO)

2nd Year Examination, 2023 (June)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) 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 answer 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 Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Discuss the management practices and technologies employed in fish seed production, including bloodstock management and larval rearing system.

2. Discuss the key consideration and factors involved in the design of a successful aquaculture farm, including site selection, water sources and infrastructure planning.
3. Discuss the major viral disease affecting fin fish in aquaculture, including their causative agent, clinical sign, diagnostic method and preventive measure.
4. What is the role of Planktons in aquaculture? Give the examples of some Zooplankton and Phytoplankton.
5. Discuss the fungal disease including common fungal pathogens that affect fin fish in aquaculture

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Briefly explain the Extensive, semi intensive and intensive Cultures of Carp.
2. Write a short note on Fish Feed and feeding strategies.
3. Explain the structure and function of skin in fishes.

4. Explain the Polymerase Chain Reaction (PCR).
 5. Describe the different types of manure used in aquaculture.
 6. Briefly explain the fishery resources in India.
 7. Write a short note on pearl culture.
 8. Write a short note on parasitic diseases of fish.
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