

A-0108

Total Pages : 3

Roll No.

MSCZO-606

M.Sc. ZOOLOGY (MSCZO)

Fish and Fisheries (Structure and Functions)

4th Semester Examination, Session December 2024

Time : 2:00 Hrs.

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 answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A

Long Answer Type Questions 2×19=38

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.

1. Give detail classification of the fishes.
2. Describe the structure and function of fish digestive system.
3. Explain the blood circulatory system of the fish.
4. With well labelled diagram explain the structure and function of fish brain.
5. Write about fish immune response modulation.

Section–B

Short Answer Type Questions 4×8=32

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.

1. Write about scales in fish and their development.
2. Write a short note on role of swim bladder in fish.
3. Compare Glomerular and Aglomerular kidney.
4. Write short notes on the following :
 - (a) Stenohaline Teleosts
 - (b) Euryhaline Teleosts
5. Write about different receptors present in fishes.

6. Write short notes on the following :
 - (a) Acoustico-lateralis system
 - (b) Labyrinth
7. How fish reproductive system is regulated ?
8. Write about hypothalamic control of pituitary in fish.
