

M.Sc. 2nd Semester Examination, 2023

FISHERIES SCIENCE

PAPER—FSC-203

Full Marks : 40

Time : 2 hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

UNIT—1

(Fish Disease and Management)

[Marks : 20]

1. Answer any *two* questions from the following : 2×2

- (a) Mention different chemical stressors impact on fish disease.
- (b) Name two parasitic disease of fish with their causative agent.

(Turn Over)

- (c) Name two Gram +ve bacterial and two Gram -ve bacterial fish disease.
- (d) What is immunostimulant ? Name two immunostimulant with their active component commercially used in aquaculture.

2. Answer any *two* questions from the following : 4×2

- (a) Discuss white faecal syndrome in shrimp.
- (b) Write a note on different diagnostic approaches of fish disease identification.
- (c) Write a note on the 'water molds' disease of fish.
- (d) Discuss on the parasitic disease treatment.

3. Answer any *one* question from the following : 8×1

- (a) Give an account on general sign and clinical sign observed in fish for disease identification. Discuss on best shrimp health management practices.

3 + 5

- (b) Make a list of different types of chemicals used in fish health management. Add a note banned antibiotics for aquaculture. 5 + 3

UNIT-2

(Fisheries Extension, Economics and Marketing)

[Marks : 20]

4. Answer any *two* questions from the following : 2 × 2
- (a) State the motto of PMMSY.
 - (b) Write on demand and supply chain in Indian fisheries.
 - (c) Name four successful NGO working in the field of fisheries development in West Bengal.
 - (d) Point out the important characteristics of a successful Entrepreneurs.
5. Answer any *two* questions from the following : 4 × 2
- (a) Discuss different fisheries extension methods.

- (b) Write down the different steps of project cycle.
- (c) State the role of MPEDA for fisheries products export from India.
- (d) Give an account on the women empowerment through fisheries activities in India.

6. Answer any *one* question from the following : 8×1

- (a) Classify different fish market. How to determine the price of a commodity ? Write a note on the different problems facing for fish marketing in India. 3 + 2 + 3
 - (b) How to study the socio-economic status of a fishers ? Discuss on the fisheries education in India. 4 + 4
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