

M.Sc. 3rd Semester Examination, 2023

FISHERIES SCIENCE

PAPER — FSC-304(Unit-1 & Unit-2)

Full Marks : 50

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

PAPER — FSC-304 Unit-1

(Elective course : Aquaculture Technology)

1. Answer any *two* of the following : 2 × 2

(a) Write a short note on natural collection of fish seed.

(b) Mention the favorable condition for carp breeding.

(c) Write the characteristics of 'Float' and 'Sinker'.

(d) Name four traditional traps used in West Bengal.

2. Answer any *two* of the following : 4 × 2

(a) Write a note on bundh breeding in West Bengal.

(b) Briefly describe the structure of teleost pituitary gland and name the hormone secreted by it.

(c) What do you mean by Induced breeding ?
Write a note on inducing hormone used to breed fish. 1 + 3

(d) Discuss on different boat building materials.

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

- (a) Briefly discuss hybridization in fish with suitable example.
- (b) What do you mean by active and passive fishing gear ? Mention different factors affecting fishing gear design. Add a note on fishing gear design materials. 3 + 2 + 3

PAPER — FSC-304 Unit-2

(*Fisheries Entrepreneurship Development*)

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

- (a) Mention the criteria of a good entrepreneur.
- (b) Name two NGO from West Bengal working in the field of fisheries activity.
- (c) State the importance of fishing ban season observed in Indian coast.

(d) Mention two central fisheries law in India.

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

(a) Discuss on extension teaching methods for fish farmers.

(b) Write a note on the role of coastal Aquaculture Authority Act, 2005.

(c) Discuss the role of SHG in the field of fisheries sector.

(d) Write down different principles of fisheries extension.

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

(a) Write a note on fishery as a tool for rural development. Give an idea on PMMSY. 4 + 4

(b) Briefly discuss the objective and function of MPEDA Act, 1976.

2 + 6

[Internal Assessment — 10 Marks]
