

**M.Sc. 1st Semester Examination, 2024**

**FISHERIES SCIENCE**

*(Fisheries Resources and Management)*

PAPER—FSC-101

*Full Marks : 25*

*Time : 1 hour*

Answer **all** questions

*The figures in the right hand margin indicate marks*

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

**GROUP – A**

1. Answer any *two* questions from the following : 2 × 2
- (a) Write a short note on current world aquaculture production.
- (b) What is the role of Marine Protected Areas (MPAs) in fisheries management ?

- (c) Mention different zones of Hooghly-Matlah estuarine system.
- (d) Write the scientific name of fish species used in sport fishery in India.

GROUP – B

2. Answer any *two* questions from the following : 4×2
- (a) Write a note on winter bagnet fisheries.
  - (b) Explain the methods of stock enhancement and species enhancement.
  - (c) Briefly describe the morphological modification exhibited by cold-water fishes.
  - (d) State the problems faced by estuarine system of India.

GROUP – C

3. Answer any *one* question from the following :
- 8 × 1
- (a) (i) Give an account of Hilsa fishery in Hooghly-Matlah estuarine system. 4
- (ii) Write a note on capture trend and means of exploitations of Indian mackerel. 4
- (b) (i) Give an account of the current status and trend of Indian fisheries. 5
- (ii) Discuss the remedial measures to enhance Indian marine fish production. 3

[ Internal Assessment – 5 Marks ]

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