

2016

M.Sc.

1st Semester Examination

FISHERIES SCIENCE

PAPER—FSC-101

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Write the answers to questions of each unit in Separate Books.

Unit—I

(Freshwater Fisheries Resources and Diversity)

1. Answer any *two* questions from the following : 2×2
- (i) Write down the current fish production of World and India.

(Turn Over)

- (ii) Write a short note on Cage culture.
- (iii) Name the indigenous cold water fish species (at least two from each group).
- (iv) Write a short note on fish stock development.
2. Answer any *two* of the following : 2×4
- (i) Discuss the problems and prospects of sports fishery in India.
- (ii) How will you estimate the fish yield potential of a reservoir ?
- (iii) Write a note on fishery resources of India.
- (iv) Give an account on the present status of Indian aquaculture.
3. Answer any *one* of the following : 1×8
- (a) (i) Classify the reservoirs. How will you enhance fisheries in small reservoirs ? 1+3
- (ii) Write a note on trout fisheries in India. 4
- (b) Write short note on following : 2×4
- (i) Trend in Indian Fisheries.
- (ii) Species enhancement.
- (iii) Ecological adaptation shown by cold-water fish.
- (iv) Major river system of India and their tributaries.

Unit—II

(Saline water Fishery Resources and Diversity)

4. Write any *two* of the following : 2×2
- (a) Write the name of pearl producing bivalves of Indian Water.
 - (b) Mention any four commercially important edible oysters from Indian Water.
 - (c) Write a short note on stomatopod fishery.
 - (d) What is the current annual landings and average growth of marine fisheries ?
5. Answer any *two* of the following : 2×4
- (a) Briefly discuss on gastropod fishery of India.
 - (b) Write a note on capture trend and means of exploitation of Indian oil sardines.
 - (c) Briefly write on Chilka fishery.
 - (d) Write a note on marine resources of India. Add a note on fishery potential of EEZ.

6. Answer any *one* of the following : 1×8
- (a) (i) Give an account of the Hooghly-Matlah estuarine system.
- (ii) Briefly discuss on Hilsa fishery of Hooghly-Matlah estuarine system. 4+4
- (b) (i) Discuss the trends in production of Marine fisheries of India.
- (ii) Point out the problems faced by the estuarine system of India.
- (iii) Mention four commercially important cephalopods found in Indian Water.
- (iv) State the physical and infrstructural components of marine fisheries of India. 2+2+2+2
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