

2015

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) What do you mean by river ranching programme ?

(ii) Point out the differences between pond and lake.

(Turn Over)

(iii) Mention the ecological adaptations shown by cold water fish species.

(iv) Name the important rivers of Indus river system.

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

(i) Write a note on chief mode of origin of lakes.

(ii) Briefly discuss on culture based fisheries in reservoirs.

(iii) State the management practices to be adopted to check the impact of 'invasive species'.

(iv) Give an account of Inland fishery resources of India.

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

(a) (i) Enumerate the present status of riverine fishery in India. 4

(ii) What are the possible factors responsible for declining riverine fish yield? 4

(b) (i) Write a note on 'Mahaseer Fishery' of India. 4

(ii) Give an account of the present status of reservoir fisheries in India.

Unit—II

(*Saline water Fishery Resources and Diversity*)

4. Write any *two* of the following : 2×2
- (a) Enlist four commercially important *peracid shrimp* (scientific names) from Indian water.
 - (b) What are the crafts and gears used for exploitation of pelagic resources ?
 - (c) Point out the problems faced by the estuarine fisheries of India.
 - (d) Enlist the Maritime states and Union territories of India.
5. Answer any *two* of the following : 2×4
- (a) Give an account of the Hooghly-Matlah estuarine system.
 - (b) Briefly discuss on Chank fishery of India.
 - (c) Write a note on the present status of pearl fishery in India.
 - (d) 'Estuaries are the most productive of all the natural ecosystem.' — Justify.

6. Answer any *one* of the following :

1×8

(a) Write the scientific names of four important ornamental gastropods. Give an account of the status of bivalve fishery of India. 2+6

(b) (i) Briefly discuss the status and prospects of crustaceans fishery in India. 4

(ii) Write a note on Winter bagnet fishery of Hooghly-Matlah estuary. 4
