

2022

1st Semester Examination

FISHERIES SCIENCE

Paper : FSC 101

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Unit-101.1

[Fisheries Resource and Management]

1. Answer any *two* of the following : 2×2=4
- (a) What do you mean by river ranching ? State its importance.
 - (b) Print out the difference between pond and lake.
 - (c) State the problems faced by estuarine system of India.
 - (d) Write different morphological modifications shown by cold water fishes.

P.T.O.

2. Answer any *two* of the following : 4×2=8

- (a) Discuss in brief the current status and problems of freshwater aquaculture.
- (b) Give an account of status of fishery in Hooghly-Matlah estuarine system.
- (c) Discuss present status and potential of fisheries in Indian reservoirs.
- (d) Write a note on production trend and means of exploitation of oil sardines.

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

- (a) Give an account of the current status and trend of marine fisheries in India. Discuss the remedial measures to enhance Indian marine fish production. 4+4
- (b) Write a note on fisheries of the Ganga River and what are the strategies to be taken to enhance fisheries in the river Ganga?

Unit-101.2

[Fisheries Legislation and Bioinformatics]

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

- (a) Write a note on closed fishing season in Indian marine water.

(b) Write a note on the Biological Diversity Act, 2002.

(c) What is bioinformatics ? State its importance.

(d) Write short note on IoT.

5. Answer any *two* of the following : 4×2=8

(a) Discuss the regulations imposed by Govt. of India to control the fishing by foreign vessels.

(b) Briefly discuss on Coastal Aquaculture Authority Act, 2005.

(c) What is CRZ ? Mention the regulation adopted by Govt. of India to maintain CRZ.

(d) Write a note on the application of AI in fisheries and aquaculture.

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

(a) Briefly discuss the function of MPEDA Act, 1972. Highlight the Indian Fisheries Act, 1897. 6+2

(b) What do you mean by biological database ? Discuss different types of biological database with examples. 2+6
