

2018

M.Sc. 1st Seme. 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.

Unit-I

Freshwater Fisheries Resources

[Marks : 20]

1. Answer any *two* questions : 2×2
- (a) What do you mean by river ranching programme ?
- (b) Write a short note on large culture.

(Turn Over)

- (c) Mention the ecological adaptation shown by coldwater fish species.
- (d) Name two important river under west coast river system.

2. Answer any *two* questions :

2×4

- (a) Give an account of inland fishery resources of India.
- (b) How you will estimate the fish yield potential of a Waterbody ? Explain.
- (c) Give an account of the present status and prospect of fisheries in Indian reservoirs.
- (d) Write a note on the fisheries of the Ganga river system.

3. Answer any *one* question :

1×8

- (a) Write short note on the following :
 - (i) Stock enhancement,
 - (ii) Trends in Freshwater aquaculture of India.

- (b) Classify the reservoirs. Briefly discuss on the upgradation of fisheries in small reservoirs. 2+6

Unit-II

Saline water fishery resources and diversity

[Marks : 20]

4. Answer any *two* questions : 2×2

- (a) Mention four commercially important edible oysters.
- (b) What is the current annual landings and average growth rate of marine fisheries of India ?
- (c) Name two commercially important cephalopods from Indian water.
- (d) Define the term pelagic and demersal.

5. Answer any *two* questions : 2×4

- (a) Give an account of the present status of Hooghly Matlah estuarine system.
- (b) Discuss the trends in production of Marine fishery of India.

- (c) Estuaries are the most productive natural ecosystem. —
Justify the statement.
- (d) Write a note on the recent trend in Capture fisheries as well as its exploitation considering oil sardines.

6. Answer any *one* question : 1×8

(a) (i) Briefly comment on the sustainability of hilsa fisheries in West Bengal.

(ii) Write short note E.E.Z emphasizing its importance.

4+4

(b) (i) Write short notes on the importance of Crustacean fisheries in India.

(ii) Write short notes on the Bombay duck elucidating the importance of such fisheries.

4+4