

**M.Sc. 1st Semester Examination, 2019**

**FISHERIES SCIENCE**

PAPER — FSC-101

*Full Marks : 40*

*Time : 2 hours.*

*The figures in the right hand margin indicate 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 )*

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

(a) Write the scientific name of two exotic cold water fish species.

- (b) Mention the current fish production of India and West Bengal.
- (c) Write a short note on stock enhancement.
- (d) Name two important reservoir of Gujarat and Himachal Pradesh.

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

- (a) Briefly describe the factors responsible for decline in inland capture fisheries.
- (b) Give an account of present trend and status of Indian Fisheries.
- (c) Write a note on the Fisheries of Ganga river system.
- (d) Discuss about the management approaches for the enhancement of fisheries in medium and large reservoirs of India .

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

- (a) (i) Briefly discuss the present status and problems of sports fisheries in India.

- (ii) Give an account of the principal cold water fish species found in India. 8.
- (b) Write short notes on the following : 3 + 3 + 2
- (i) Cage and pen culture
  - (ii) Inland fisheries resources
  - (iii) Species enhancement.

UNIT—II

*(Saline water fishery resources and diversity)*

4. Answer any *two* of the following : 2 × 2
- (a) Write a short note on marine fishery resources of India.
  - (b) Name the pearl producing bivalves of Indian water.
  - (c) Point out the problems of estuarine system of India.
  - (d) State the physical and infrastructural components of Indian marine fisheries sector.

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

(a) Give an account of the Hooghly-Matlah estuarine system.

(b) Discuss the trends of Marine fisheries of India.

(c) Briefly discuss on chank Fishery of Tamil Nadu and Gujarat coast of India.

(d) Write a note on the trend of fishery in Chilika.

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

(a) (i) Estuaries are the most productive of all the natural ecosystems— Justify.

(ii) Write a note on capture trend and means of exploitation of Bombay duck.

(b) (i) Write a note on Pelagic fishery resources of India.

(ii) Briefly discuss the winter bagnet fishery of Hoogly-Matlah estuary of West Bengal.

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