

**Odd Semester, 2020**

( Held in March, 2021 )

**FISHERY SCIENCE**

( Honours )

THIRD PAPER (Paper—3A)

**( Capture Fisheries )**

**( Theory )**

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer Question No. **1**, which is compulsory  
and *any four* from the rest

**1.** Answer any *three* of the following in short :  
4×3=12

- (a) Mention the different types of capture fisheries in India.
- (b) What are the problems of wetland fisheries in India?
- (c) Differentiate between lakes and reservoirs.

- (d) Write on the importance of fishing seasons.
- (e) Describe the basic method of marking in fish.

**2.** Discuss the important cold water fish fauna of India and mention their seed resources.  
5+6=11

**3.** (a) Discuss fish diversity in wetlands. 6  
(b) Mention the prospects of wetland fisheries in India. 5

**4.** (a) Discuss the impact of dam construction on migratory fishes. 6  
(b) Write a note on the importance of fishways. 5

**5.** (a) Describe the different types of estuaries. 6  
(b) Describe the different zones in the marine ecosystem. 5

**6.** Define fish population. Mention the different methods used for estimating a fish population.  
2+9=11

( 3 )

7. Explain the different causes of fluctuation in fish population abundance. 11
8. Write short notes on any *two* of the following:  $5\frac{1}{2} \times 2 = 11$
- (a) Characteristics of Beels in the North-East India
  - (b) Commercially important estuarine and marine fishes
  - (c) Primary and secondary data in fishery statistics

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