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(February)

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. Write short notes on any *three* of the
following : 4×3=12

- (a) Exclusive Economic Zone (EEZ) of India
- (b) Types of statistical data used for fishery research
- (c) Problems of wetland fisheries in N-E India
- (d) Importance of fishways for conservation of fish

- 2. (a) Give an account on different culturable cold water fish fauna of India. 5
(b) Describe mahseer fisheries resources in India and their conservative measures. 6
- 3. (a) Define fish population. Give an account on the methods of estimation of fish population size. 6
(b) Explain the causes of fish population fluctuation in natural habitat. 5
- 4. Differentiate between the capture and culture fisheries. Discuss the scope and problems of capture fisheries in India. 4+7=11
- 5. Describe the following : 7+4=11
 - (a) Estuarine and marine environments
 - (b) Commercially important brackish water fishes of India
- 6. (a) What are the differences between lakes and reservoirs? 4
(b) Describe ecological conditions and fishery production of any two lakes of India. 7

(3)

7. What are wetlands? Discuss the developmental prospects of wetland fisheries in North-East India. 3+8=11
8. Write short notes on any *two* of the following : $5\frac{1}{2}\times 2=11$
- (a) Ecological impact of dam construction on fishes
 - (b) Marking and external tagging of fish for population studies
 - (c) Snowtrout fisheries in India

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