

2nd Copy.

3/EH-36 (iii) (Syllabus-2015)

2 0 1 6

(October)

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 the following : 4×3=12

- (a) Importance of riverine fisheries in India**
- (b) Problems of wetland fisheries in North-East India**
- (c) Importance of fishways for conservation of fish**

(Turn Over)

(2)

2. (a) Differentiate between capture and culture fisheries. 4
- (b) Discuss the scope and problems of capture fisheries in India. 7
3. (a) Discuss the types and characteristics of Estuaries. 7
- (b) Write a brief note on zonation of marine ecosystem. 4
4. Give accounts of the following : 5+6=11
- (a) Different culturable cold water fishes of India
- (b) Cold water fish seed resources in India and their exploitation for the development of cold water fisheries
5. (a) What are the differences between lakes and reservoirs? 4
- (b) Describe ecological conditions and fisheries of any two lakes of India. 7
6. What are wetlands? Write in brief about biodiversity of wetland fishes of North-East India. Explain the development prospects of wetland fisheries in North-East India.

2+4+5=11

(3)

7. (a) Define fish population. 2
- (b) Write the methods of estimation of fish population size. 4
- (c) Explain the causes of fish population fluctuations in natural habitat. 5
8. Write notes on any *two* of the following : 5½×2=11
- (a) Ecological impact of dam construction on fishes
- (b) Marking and tagging of fish
- (c) Types of statistical data for fisheries
