

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

2022

(November)

FISHERY SCIENCE

(Elective/Honours)

THIRD PAPER (Paper-3A)

(**Capture Fisheries**)

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 notes on/Answer any *three* of the following : 4×3=12
- (a) Impact of dam construction on fish fauna
 - (b) Exclusive Economic Zone (EEZ) in India
 - (c) Differentiate between lakes and reservoirs.
 - (d) Zonation of marine ecosystem
 - (e) Describe the basic method of marking in fish.

2. Write the characteristics of cold-water fishes. Discuss the classification of cold-water fishes given by Menon. $4+7=11$
3. (a) Describe the ecological features of wetlands. 5
(b) Discuss the problems and scope of wetland fisheries. 6
4. Define fish population. Mention the different methods used for estimating fish population. $2+9=11$
5. (a) Classify aquatic organisms according to their salinity tolerance. 3
(b) Discuss the fishing seasons of commercially important estuarine fish. 8
6. List the important cold-water fishes of India. Briefly mention their seed resources. $4+7=11$
7. Discuss the fisheries of the Brahmaputra river system. 11
8. Write short notes on/Answer any *two* of the following : $5\frac{1}{2}\times 2=11$
(a) Mahseer fisheries in North-East India
(b) Discuss the different types of data used in statistical analysis.
(c) Commercially important marine and estuarine fishes
