

4/EH-36 (iv) (Syllabus-2015)

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(May/June)

FISHERY SCIENCE

(Elective/Honours)

Paper—4A

(Aquaculture)

Marks : 56

Time : 3 hours

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

Answer Question No. 1 and any four from the rest

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

- (a) Extensive aquaculture management**
- (b) Status of aquaculture in South-East Asia**
- (c) Aquatic weeds and their control**
- (d) Concept of monoculture**
- (e) Principles of integrated fish farming**

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(Turn Over)

2. Describe in detail the process involved in composite fish culture. 11
3. Describe paddy-cum-fish farming by giving its economics. Mention the advantages of agro-based fish culture. 6+5=11
4. Discuss the construction of nursery, rearing and stocking ponds in a fish farm. Explain the role of application of fertilizers in the fish pond. 7+4=11
5. (a) Differentiate between capture and culture fisheries. 6
- (b) Mention the prospects of aquaculture in North-East India. 5
6. (a) Explain briefly the role of fish farm mechanization in increasing productivity of fish farm. 6
- (b) Mention the advantages of integrated fish farming. 5
7. Mention the different criteria of site selection, soil and water quality in fish pond construction. 11

8. Write short notes on any *two* of the following : $5\frac{1}{2}\times 2=11$
- (a) Classification of aquaculture based on salinity
- (b) Effects of algal bloom
- (c) Advantages of livestock-cum-fish culture
