

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

2 0 1 8

(April)

FISHERY SCIENCE

(Elective/Honours)

Paper : IV A

(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) Composite fish culture**
- (b) Paddy cum fish culture**
- (c) Criteria of site selection for fish farming**
- (d) Effect of algal bloom in fish pond**
- (e) Predatory insects in nursery pond**

2. Write difference between mono-culture and polyculture. Explain pig cum fish culture technology giving its economics. 2+9=11
3. Describe different types of aquatic weeds and their control measures. 11
4. Discuss the construction of different types of ponds in a fish farm. Explain briefly the role of application of fertilizers in the fish pond. 7+4=11
5. Write the principle of integrated fish farming. Compare between pig cum fish farming and composite fish farming technologies. 2+9=11
6. Write briefly the difference between culture and capture fisheries. Discuss prospects of aquaculture in the North-East India. 3+8=11
7. Write the advantages of liming in pond. Describe different types of fish farm management based on management intensity. 3+8=11
8. Explain briefly the role of fish farm mechanization in increasing productivity of fish farm. Write disadvantages of farm mechanization. 8+3=11