

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

**2 0 1 9**

**( April )**

**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) Criteria of site selection for fish farm**
- (b) Farm mechanization**
- (c) Aquatic weed and its management**
- (d) Agro-based fish culture**
- (e) Lime application and its advantages**

2. Describe the composite fish culture technology by giving its economics. 11
3. Describe the various fish farming systems based on management intensity. 11
4. What are the advantages of integrated livestock cum fish farming? Describe the duck cum fish farming by giving its economics. 2+9=11
5. Describe in detail, the construction of the nursery, rearing and stocking ponds with proper outlay diagram. 11
6. Why is aquaculture gaining importance over capture fisheries? Discuss the resources and potentialities of aquaculture in the North-East India. 3+8=11
7. Write the difference between monoculture and polyculture. Explain briefly the importances of fertilizers and lime application in a fish pond. 2+4½+4½=11
8. Write the potentiality of paddy cum fish culture in the North-East India. Describe its advantages along with economics. 5+6=11

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