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(July)

FISHERY SCIENCE

(Honours)

(**Aquaculture**)

Paper—4A

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) Fish farm mechanization
 - (b) Aquaculture resources in North-East India
 - (c) Effects of algal bloom
 - (d) Species selection and stocking density in composite fish culture
 - (e) Principle of integrated fish farming
2. Classify aquaculture on the basis of its salt content. Compare the different aquaculture practices in freshwater, brackish water and marine water. 5+6=11

3. Describe the integration system of fish and duck culture. Mention one agro-based integration with fish culture. 6+5=11
4. Describe in detail, the application and dosages of lime and fertilizer in a fish farm. 6+5=11
5. Explain giving diagrams, the construction of the different types of ponds in a fish farm. 11
6. Differentiate between extensive and intensive managements in a fish farm. 5+6=11
7. Discuss paddy-cum-fish culture in the North-East India giving its potentiality, advantages and economics. 3+4+4=11
8. Discuss the effect of predatory insects, weeds, fishes and their control. 4+3+4=11

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