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( July )

FISHERY SCIENCE

( Honours )

Paper : 7A

( Advance Aquaculture )

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. Answer/Write short notes on any *three* of the following : 4×3=12
- (a) Classify the ornamental fishes of North-East India.
- (b) Discuss the distribution of brackish water fishes and prawns in India.
- (c) Elaborate the supplementary feeding in nursery and rearing ponds.

(d) Write the concepts of pearl farming.

(e) Sport fisheries in India

2. What are the criteria for site selection required for pen culture? Write a note on pre-stocking, stocking and post-stocking management practices of pen culture. 3+8=11
3. What are the characteristic features of ornamental fishes? Write in detail about setting up of an aquarium and its maintenance. 3+8=11
4. Describe the different types of artificial feeds that are used in fish farming practices. Why are live feeds considered as 'living capsule of nutrition'? Explain. 9+2=11
5. Explain the physico-chemical and biological characteristics of sewage water. What are the treatment measures to be undertaken to use sewage water in fish farming? 5+6=11
6. List out the commercially important air-breathing fishes of India. Explain the grow-out culture practices of *Clarias magur*. 4+7=11

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7. Write a note on various advantages of cage aquaculture. Describe in brief the potentials of cage culture in India. 5+6=11
8. What is mariculture? Write an account on different molluscan shell fishes culture techniques of India. 2+9=11

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