

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2015

00058

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks. Support your answers with well-labelled diagrams wherever necessary.

1. (a) Discuss the different forms of aquaculture and their importance. Name two each of Indian major carps, catfishes, salmonids and lobsters as principal aquaculture species. 6+4
- (b) Compare the three types of main culture systems depending upon the intensity of operation. 10
2. (a) How is aquaculture helpful to mankind ? 10
- (b) Describe the various physical and chemical properties of water that are required for aquafarming. 10
3. (a) Describe the morphology of three finfishes and two crustaceans suitable for culturing in freshwater. 10
- (b) Describe the various brackish-water resources in India. 10

4. Distinguish between pen and cage aquaculture. Discuss their advantages and disadvantages. 20
5. What is waste-water aquaculture ? Discuss how different types of waste-water can be used for aquaculture. 15+5
6. What are the different commercial methods of fish preservation ? 20
7. (a) Describe the various steps involved in planning and preparing an aquaculture project. 10
- (b) What measures should be adopted to reduce the impact of aquaculture on environment ? 10
8. Write short notes on any *four* of the following : 4x5
- (a) Integrated Aquaculture
 - (b) Fish Glue
 - (c) Seaweeds
 - (d) Industrial Aquaculture
 - (e) Aquaculture By-products
 - (f) Fisheries Co-operatives
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