

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

00834

June, 2014

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

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

1. (a) Define aquaculture and compare it with agriculture. 8
- (b) Discuss the scope of aquaculture in India. 12
2. Discuss the importance of dissolved gases in water for survival of aquatic animals. 20
3. Give a detailed account of possible impacts of aquaculture on environment. 20
4. Differentiate between the following :
 - (a) Extensive aquaculture and Intensive aquaculture 4
 - (b) Oligotrophic lake and Eutrophic lake 4

- (c) Primary fisheries co-operative and Regional fisheries co-operative 4
- (d) Drain harvesting and Cull harvesting 4
- (e) Lotic freshwater habitat and Lentic freshwater habitat 4
5. (a) What is primary productivity ? Discuss the factors influencing primary productivity. 10
- (b) Describe any two methods of measuring primary productivity. 10
6. What are the important soil nutrients ? What is their role in pond productivity ? 20
7. (a) Write an account of chilling as a short term method of preservation of fishes. 10
- (b) List the important commercial methods of long term preservation of fishes. Describe any one in detail. 10
8. Describe the morphology and commercial use of any ten candidate species for freshwater aquaculture in India. Also name the class and order to which they belong. 20
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