

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2017

00121

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any **five** questions. Draw well-labelled diagrams wherever required. All questions carry equal marks.

1. What is productivity of an ecosystem ? What are the factors that influence primary productivity ? 20
2. (a) What are the factors required for choosing a suitable species for aquaculture ?
(b) Discuss the possible environmental impacts of aquaculture. 10+10
3. Describe the candidate crustacean and molluscan species for mariculture production. 20
4. (a) Describe the steps required for preparing a pond for aquaculture.

- (b) Discuss the various water quality problems occurring in pond aquaculture. 10+10
5. What are the various nutrients available in fish food ? Describe the various biochemical and physical changes that occur in fish after death. 20
6. Draw a chart to outline the various steps in planning of an aquaculture project. Discuss each step briefly. 10+10
7. Describe integrated aquaculture with a suitable example. What are its advantages ? 20
8. Write short notes on the following (any **four**) : $4 \times 5 = 20$
- (a) Seaweed Processing
 - (b) Preharvest Quality Control
 - (c) FPC Preparation Method
 - (d) Nitrogen Cycle
 - (e) Importance of Soil Nutrients
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