

00659

**DIPLOMA IN AQUACULTURE
(DAQ)**

**Term-End Examination
June, 2013**

BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

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

1. Explain the various factors which govern the choice of species for aquaculture. Discuss the environmental impact of aquaculture. 20

2. (a) Define aquaranching. Describe the progressive development of aquaranching techniques. 10
- (b) Describe the morphology, biology and distribution of any **two** candidate species for fresh water aquaculture in India. 10

3. Explain the various requirements to maintain the home aquaria. 20

4. Explain the various steps of planning and formulation of a project for aquaculture. 20
5. (a) What are the Fish byproducts ? Describe the various methods for the preparations of fish protein concentrate (pc) ? 10
- (b) What are the common combinations of Integrated aquaculture ? How these combinations prove mutually beneficial to each other ? 10
6. Describe important commercial methods of preservation of fish ? 20
7. (a) What is Plankton ? Explain the *two* types of photoplankton and zooplankton each in the aquatic system. 10
- (b) What are the important constraining factors for aquaculture development ? 10
8. Write *short notes* on the following : 5x4=20
- (a) Seaweeds
- (b) Extension services in aquaculture
- (c) Soil nutrients
- (d) HACCP.
-