

00322

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**December, 2018**

**BAQ-001 : BASICS OF AQUACULTURE**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any five questions.*

*(ii) Question number 1 is compulsory.*

*(iii) All questions carry equal marks.*

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1. (a) Define the following : 5
- (i) Mari culture
  - (ii) Algal bloom
  - (iii) Aquifer
  - (iv) Thermocline
  - (v) Plankton
- (b) Differentiate between the following : 5x2
- (i) Primary productivity and Secondary productivity.
  - (ii) Epilimnion and Hypolimnion.
  - (iii) Air blast freezer and Contact blast freezer.
  - (iv) Drying and Smoking.
  - (v) Rhithron and Potamon.

- (c) Expand the following : 5
- (i) EIA
  - (ii) FFDA
  - (iii) ICAR
  - (iv) CCP
  - (v) FPC
2. Discuss the various types of aquaculture practices. 20
3. (a) Describe the Beuthic fauna of aquatic ecosystem. 10
- (b) Explain the term thermal stratification with the help of diagram. 10
4. (a) What is Brachish Water Aquaculture ? Describe any two candidate crustacean species for Brachish Water Aquaculture. 10
- (b) List the various unacceptable water quality parameters and their effect on fish. 10
5. (a) With the help of a flow diagram, show the steps for the formation of fish meal by wet method and extraction of oil. 10
- (b) Define HACCP (Hazard Analysis Critical Control Point). What are the principles of HACCP concepts ? 10
6. (a) What are the impacts of Aquaculture on environment ? 15
- (b) Write a note on Apex Co-operatives. 5