

## DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2019

## BAQ-001 : BASICS OF AQUACULTURE

Time : 3 hours

Maximum Marks : 100

- Note :** (i) Attempt five questions in all.  
(ii) Question No. 1 is compulsory.  
(iii) All questions carry equal marks.

1. (a) Fill in the blanks : 1x5=5
- (i) Culture practice where fish and prawn are grown in combination with animals or crops is called \_\_\_\_\_ aquaculture.
- (ii) The practice of pen culture has originated from \_\_\_\_\_.
- (iii) Mahaseer belongs to the order \_\_\_\_\_.
- (iv) Algal blooms are caused due to the presence of excess amounts of \_\_\_\_\_ in water.
- (v) \_\_\_\_\_ is the upper layer of thermally stratified water body.
- (b) Expand the following : 1x5=5
- (i) DO      (ii) IFTC      (iii) PFDA      (iv) EEZ      (v) PQLI
- (c) Write the common names of the following : 1x5=5
- (i) *Ulva*      (ii) *Caulerpa*
- (iii) *Pinctada margaritifera*      (iv) *Clarias batrachus*
- (v) *Salmo gairdnerii*
- (d) Draw the Carbon cycle or the Nitrogen cycle. 2½x2=5
2. (a) Classify the lakes on the basis of productivity. 10
- (b) Describe the method of Fish Protein Concentrate (FPC) preparation. 10
3. (a) What is waste water aquaculture ? How is waste water treated before use in aquaculture ? 2+8=10
- (b) Discuss the important water quality problems in pond aquaculture. 10
4. Describe the characteristic features of different carps and catfishes. (any five from each category). 20

5. List the different methods of preservation of fishes and discuss any two of them in detail. 7+13=20
6. Write short notes on the following : 4x5=20
- (a) HACCP concepts
  - (b) Scope of aquaculture
  - (c) Constraining Factors for Aquaculture Development
  - (d) Impacts of Aquaculture on Environment
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