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**BAQ-001**

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**December, 2023**

**BAQ-001 : BASICS OF AQUACULTURE**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** *Attempt five questions in all. Question No. 1 is compulsory. All questions carry equal marks. Draw a well labelled diagram wherever required.*

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1. (a) Define the following terms : 1×5=5
- (i) Aquaranching
  - (ii) Euryhaline
  - (iii) Mangroves
  - (iv) Chitosan
  - (v) Zooplankton
- (b) Write the full form of the following abbreviations : 1×5=5
- (i) FAO

**P. T. O.**

(ii) PPM

(iii) NAC

(iv) RAS

(v) EEZ

(c) Differentiate between the following pairs of terms : 5×2=10

(i) Oligotrophic and Eutrophic lakes

(ii) Green house aquaculture and  
Recreational aquaculture

(iii) Food chain and Food web

(iv) Gross productivity and Net  
productivity

(v) Pen culture and Cage culture

2. Describe the different methods of harvesting, handling and transportation of fresh fish. 20

3. (i) What are the different considerations to choose a species for aquaculture ? 10

(ii) Describe integrated fish farming. 10

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4. Describe the features of molluscan candidate species suitable for seafarming. 20
5. (i) With the help of a diagram, explain the Nitrogen cycle. 10  
(ii) Explain thermal stratification. 10
6. Discuss any *two* non-conventional methods of aquaculture. 20
7. (i) Discuss different types of fishery cooperatives and their functions. 10  
(ii) With a diagram, explain the possible impact of aquaculture on environment. 10