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**BAQ-001**

**DIPLOMA IN AQUACULTURE**  
**(DAQ)**

**Term-End Examination**

**June, 2026**

**BAQ-001 : BASICS OF AQUACULTURE**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) Attempt *five* questions in all.

(ii) Question no. 1 is compulsory.

(iii) All questions carry equal marks.

(iv) Draw a well labelled diagram  
wherever required.

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1. (a) Define the following terms : 5×1=5

(i) Closed System

(ii) Biomass

(iii) Eutrophic

(iv) Lentic

(v) Catchment

(b) Write full form of the following abbreviations :  $5 \times 1 = 5$

(i) CIFE

(ii) SAUs

(iii) ADAP

(iv) FFDA

(v) ICAR

(c) Differentiate between the following pairs of terms :  $5 \times 2 = 10$

(i) Pen culture and Cage culture

(ii) Limnetic zone and Profundal zone

(iii) Brackish water environment and Marine environment

(iv) Phytoplanktons and Zooplanktons

(v) Decapods and Amphipods

2. (a) Discuss the various aquacultural practices followed in India. 12

(b) Explain the constraining factors responsible for aquacultural development in the country. 8

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3. Explain the nutrient cycles within water, mud and atmosphere. 20
4. Describe various fish species of freshwater bodies in India. 20
5. What are the various ways of practicing aquaculture in the world ? Discuss each of them. 20
6. (a) How can spoilage of fish and other aqua-products be prevented by commercial methods ? 14  
(b) What is pearl essence ? Write about its preparation and applications. 6
7. (a) Discuss the status of aquaculture extension in India. 14  
(b) Explain various constraints encountered in fisheries education. 6

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