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**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**June, 2024**

**BAQ-001 : BASICS OF AQUACULTURE**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt *five* questions in all including Question No. 1 which is compulsory. All questions carry equal marks.

1. (a) Define the following terms :  $1 \times 5 = 5$
- (i) Mariculture
  - (ii) Lentic environment
  - (iii) Net Primary Production
  - (iv) Phytoplankton
  - (v) Fecundity

- (b) Differentiate between the following pairs of terms :  $2 \times 5 = 10$
- (i) Cage and pen culture
  - (ii) Extensive and intensive level of aquaculture
  - (iii) Freshwater pond and Brackishwater pond
  - (iv) Oligotrophic and Eutrophic lake
  - (v) Air blast freezer and contact plate freezer
- (c) Expand the following abbreviations :  $1 \times 5 = 5$
- (i) ICAR
  - (ii) MPPTC
  - (iii) FAO
  - (iv) FRDC
  - (v) FFDA

2. Discuss the factors that govern aquaculture development.  $20$
3. Explain the brackishwater and marine resources of India.  $20$
4. Explain how aquaculture could help develop resource friendly approaches for wastewater treatment.  $20$

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5. Discuss the important commercial methods for processing and preservation of fish and other aquaproducts. 20

6. Write short notes on any *two* of the following :

2×10=20

- (i) Aquaculture Vs Environment
- (ii) Problems of Aquaculture Extension
- (iii) Nitrogen cycle
- (iv) Industrial aquaculture

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P.T.O.