

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 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 : 1×5=5
- (i) Turbidity
 - (ii) Benthos
 - (iii) Hatchery
 - (iv) Pyramid of biomass
 - (v) Standing crop

(b) Differentiate between the following :

2×5=10

- (i) Limnetic zone and Profundal zone
- (ii) Oligotrophic lake and Eutrophic lake
- (iii) Brackish water culture and Mariculture
- (iv) Food chain and Food web
- (v) Phytoplankton and Zooplankton

(c) Expand the following abbreviations : 1×5=5

- (i) SAUs
- (ii) MPEDA
- (iii) FCC
- (iv) CMFRI
- (v) DO

2. Discuss the operational scales and scope of aquaculture. 10+10=20

3. Describe the candidate species of crustaceous (Prawn and Crabs) currently used for brackish water aquaculture. 20

4. Describe the various conventional methods used in aquaculture practices. 20

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5. Discuss about a range of products prepared from the waste of fish and trash fish. 20

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

2×10=20

(i) Fisheries Cooperatives

(ii) Greenhouse aquaculture

(iii) Constraints in fisheries education

(iv) Aquaranching

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