

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2025

BAQ-002 : FRESHWATER AQUACULTURE

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt any **five** questions.

(ii) All questions carry equal marks.

(iii) Support your answer with well-labelled diagrams wherever necessary.

1. (a) Discuss the rearing and selection of Brood fishes. 10
- (b) Describe the induced breeding by hypophysation. 10
2. (a) Discuss the methods of site selection and design of Aquafarm. 10
- (b) Discuss the system of sewage fed fisheries in India. 10

3. (a) Describe the artificial propagation of cold water fishes (Schizothoracids). 10
 (b) Discuss any *four* ornamental fishes. 10
4. (a) Describe the biology of *Clarias batrachus* (Linn.) (Catfish). 10
 (b) Describe the breeding and culture of *Clarias* and *Heteropneustes*. 10
5. Discuss the breeding and hatchery management of giant freshwater prawn *Macrobrachium rosenbergii*. 20
6. (a) Explain the live feed culture and its importance. 10
 (b) Describe any *four* viral diseases in fishes. 10
7. Write short notes on any *two* of the following :

2×10=20

 - (a) Application of manure and fertilizers in pond preparation
 - (b) Biomineralisation of Pearl
 - (c) Breeding of Trout in India
 - (d) Role of *Azolla* cultivation in fish cultivation

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