

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**December, 2025**

**BAQ-002 : FRESHWATER AQUACULTURE**

*Time : 3 Hours*

*Maximum Marks : 100*

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

(ii) *All questions carry equal marks.*

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

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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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