

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

**December, 2023**

**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. Describe different types of aquatic weeds and various methods of their control. 20
2. (a) Discuss the significance of sewage fed culture in crop production. 5  
(b) What are the requirements for pond preparation in grow-out-culture ? 5  
(c) Explain the methods of seri-fish integration. 10
3. (a) Discuss the biology, breeding and cultures of any *two* egg layer ornamental fishes. 10  
(b) What is live feed ? Discuss the importance of live feed in aquahatcheries. 2+8

4. (a) Describe the biology of large catfish *Wallago attu*. 10
- (b) Explain any *two* culture systems for catfish farming in Asia. 5
- (c) Discuss in brief biology of anabantids and their breeding habits. 5
5. (a) Explain the units of main hatchery complex. 10
- (b) Explain biomineralization of freshwater pearls. 10
6. (a) Describe the various parasitic diseases of fish. 10
- (b) Explain the common diseases of freshwater prawn. 10
7. Write short notes on the following : 4×5=20
- (a) Endocrine control of reproduction in carps
- (b) Importance of site selection for aquafarm
- (c) *Spirulina* cultivation
- (d) Distribution and morphology of freshwater mussel *Lamellidens* spp.