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BAQ-002

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2023

BAQ-002 : FRESHWATER AQUACULTURE

Time : 3 Hours

Maximum Marks : 100

Note : *Attempt any **five** questions. All questions carry equal marks. Support your answer with well labelled diagram, wherever necessary.*

1. (a) Describe the biology of *Labeo Rohita*. 5
- (b) Describe the induced breeding by hypophysation. 10
- (c) Discuss the constraints encountered in the successful run of commercial carp hatcheries. 5
2. (a) Describe the process leading to construction of aquafarm with its costing and evaluation. 10
- (b) Discuss as to how removal of unwanted fishes from ponds is carried out. 5
- (c) Explain, what do you understand by ecosystem of integrated fish farming. 5

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3. (a) Describe the artificial propagation of Schizothoracids that are cherished as indigenous fish. 10
- (b) Discuss the different aspects of Trout breeding. 5
- (c) Explain the sewage treatment through aquaculture. 5
4. (a) Describe the biology of live fish Murrels. 5
- (b) Discuss the natural breeding and induced spawning in cat fish. 10
- (c) Explain the method of breeding and culture of *Clavias* and *Heteropneustes*. 5
5. (a) Describe the reproduction and life cycle *Macrobrachium rosenbergii*. 10
- (b) Discuss the methods adopted in giant freshwater prawn farming. 10
6. (a) Describe the bacterial diseases in fish. 10
- (b) Discuss briefly the importance of vitamins in fish nutrition. 10
7. Write short notes on the following : 4×5=20
- (a) Sewage fed fisheries in India
- (b) Ornamental fishes
- (c) Hatchery system
- (d) Biomineralization of pearl