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BAQ-003

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2024

BAQ-003 : COASTAL 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 estuarine fishery resources with reference to its origin and classification. 10
- (b) Describe the flora and fauna of brackish water system with their adaptations to brackish water. 10
2. Discuss the designing and construction criteria for shrimp/fish hatchery. 20

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3. Explain the need and various steps involved in pond preparation for shrimp culture. 20
4. Describe the viral and bacterial diseases of fish. 20
5. (a) Explain the culture practices used in culture of mud crab (*Scylla* sp.) 12
(b) Explain sea forming and polyculture in context of mariculture. 8
6. Write short notes on any *four* of the following : 4×5=20
 - (a) Pearl harvesting and grading
 - (b) Culture of pearlspot
 - (c) Requirements on farm construction
 - (d) Hormones administration for induced fish breeding
 - (e) Biota of neretic oceanic zone
7. Explain briefly about different isolation techniques for microalgae. Add a note on the role of microalgae in aquaculture. 20

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