

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2023

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) Describe the major estuarine systems and their fisheries in India. 10
- (b) Explain the biology of different cultivable species of crustaceans. 10
2. Describe the salient features of stratification of marine environment and distribution of marine life. 20
3. (a) Describe broodstock development and breeding of fishes. 10
- (b) Discuss the technology of hatchery management to produce high quality seed with good survival rate. 10

4. (a) Discuss the systems of shrimp farming. 10
(b) Describe the construction of dyke in shrimp farm. 10
5. (a) Describe the biology of mud crab. 10
(b) Explain the important disease of fish. 10
6. Describe the culture of finfish. 20
7. (a) Discuss the various techniques used in improvement of pearl quality. 10
(b) Discuss the techniques perfected for Mabe pearls. 10
8. Write notes on any *four* of the following : 5×4=20
- (i) Growth phases of algal culture.
 - (ii) Artificial diets for larvae of fish and shrimp.
 - (iii) Soil quality for aquaculture.
 - (iv) Harvesting shrimps.
 - (v) Brackishwater fish culture practices.
 - (vi) Feed additives.