

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

June, 2013

BAQ-003 : COASTAL AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. Support your answer with suitable diagrams wherever necessary. All questions carry equal marks.

1. (a) Describe the importance of any two brakish water lakes of India with reference to aquaculture practices. 5
- (b) Discuss the methods of broodstock development and induced breeding in fin fishes. 15
2. (a) Discuss potentials of integrated sea farming and polyculture in Indian coastal waters. 10
- (b) Explain how artificial diets formulated for fish and shrimp larvae ? 10
3. (a) What are the various undesirable species in a shrimp pond and how can they be controlled ? 5
- (b) Compare the different types of farming systems used for shrimp culture. 15

4. (a) Explain how salinity plays an important role in the ecological classification of brackish water organisms ? 5
- (b) Discuss the important parameters considered for selecting a site for shrimp culture .Also explain the layout points for designing a farm. 15
5. (a) How is *Artemia* utilized as larval feed ? 5
- (b) Describe the various processes involved in shrimp hatchery management. 15
6. Write short notes on *any four* of the following :
- (a) Importance of agar yielding sea weeds 4x5=20
- (b) Pond water management in Shrimp culture
- (c) Desirable characteristics of cultivable organisms.
- (d) Health management of shrimp and fishes.
- (e) Clam culture
7. (a) Describe the culture methods used for Sea bass. 10
- (b) Explain the various factors necessary for improving the quality of cultured pearls. 10

8. (a) Describe *any two* viral and *any two* bacterial diseases caused to shrimp. How are they diagnosed ? 15
- (b) Explain the isolation techniques employed for micro algal culture . 5
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