

00582

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2011

BAQ-003 : COASTAL AQUACULTURE

Time : 3 hours

Maximum Marks : 100

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

1. (a) Discuss the aquacultural practices of the estuaries in the east coast of India. 5
- (b) Explain the major units of shrimp hatchery. 15
What parameters should be considered for site selection for shrimp hatchery ?
2. (a) Describe any two diseases of fishes. How can these diseases be diagnosed ? 10
- (b) Explain the various steps involved in the preparation of ponds for culture after harvest of crop. 10
3. (a) How do you treat sea water for algal culture ? Explain different types of micro algal culture. 15
- (b) How do upwellings and outwellings cause circulation of nutrients in the coastal zone ? 5

4. (a) Compare and contrast culture and harvesting methods of oysters and mussels. 15
- (b) Explain how far has integrated seafarming been successful in coastal aquaculture industry in India ? 5
5. (a) Compare and contrast culture technologies of mullet and pearlspot. 10
- (b) What factors should be considered for planning appropriate mariculture set up in India ? Explain. 10
6. Explain pearl oyster farming and its rearing in coastal areas. Describe pearl harvesting, grading of pearls and economics of pearl culture in India. 20
7. Write short notes on the following : 5x4=20
- (a) Broadcasting the feed into pond
- (b) Seed transportation
- (c) *Artemia* biomass and cyst storage
- (d) Brood stock development of prawn
8. Describe important seaweed resources suitable for coastal aquaculture and various methods of seaweed farming. 20