

**DIPLOMA IN AQUACULTURE (DAQ)****Term-End Examination****December, 2013****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.*

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1. (a) Discuss the aquacultural practices of the brackishwater lakes and lagoons in India. 10  
(b) Explain the various factors considered for site selection for a shrimp farm. 10
  2. (a) What are live-feeds ? Discuss Artemia culture in detail. 10  
(b) What factors should be considered for planning appropriate mari culture set up in India ? Explain. 10
  3. (a) Discuss how stocking of a pond is done after it has been prepared for shrimp culture. 10  
(b) Describe the ongrowing culture practices and harvesting techniques for **Penaeus monodon**. 10
  4. (a) What are the different methods for seaweed culture ? Describe the pond culture method in detail. 5+10=15  
(b) Describe the major units of a shrimp hatchery. 5

5. Write short notes on **any four** of the following : 4x5=20
- (a) Oyster culture technologies.
  - (b) Bacterial diseases of fish.
  - (c) Hatchery water quality management.
  - (d) Induced maturation in prawn.
  - (e) Nutrient circulation in coastal regions.
6. (a) Describe the brood stock development and breeding of brackish water fishes. 10
- (b) Discuss the nutritional requirements of the fish and shrimp larvae. 10
7. (a) What are the different feed additives used for brackishwater fish and shrimp ? 5
- (b) Describe in detail the culture practices used for mud crab. 15
8. (a) Compare the culture practices of seabass with those used for milkfish. 15
- (b) Discuss in what way is water quality is important for aquaculture ? 5
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