

**DIPLOMA IN AQUACULTURE (DAQ)**

**Term-End Examination**

00043

**June, 2014**

**BAQ-003 : COASTAL AQUACULTURE**

*Time : 3 hours*

*Maximum Marks : 100*

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

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1. (a) Describe the major estuarine systems in India and their fisheries. 10
- (b) Describe the bacterial diseases in shrimp. 10
2. (a) Discuss the designing criteria for shrimp/fish hatcheries. 10
- (b) Describe the major units of a shrimp hatchery. 10
3. (a) Discuss the texture of soil to study the relative percentage of sand, silt and clay for assessing the suitability for aquaculture. 10
- (b) Describe various water quality parameters in context of productivity of ponds. 10

4. (a) Explain the capture fisheries for mud crabs of India. 10
- (b) Discuss the desirable characters of a candidate species for coastal aquaculture. 10
5. (a) Enlist artificial diets for larvae. Explain any two of them in detail. 10
- (b) Discuss essential aspects of mussel culture and its economics. 10
6. Describe any *two* of the following : 10+10
- (a) Integrated sea farming and polyculture
- (b) Pearl formation
- (c) Pond preparation
7. (a) Explain the conditions required for algal culture. 10
- (b) Discuss the significance of understanding the ecology of marine environment for planning appropriate mariculture set-up. 10
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