

DIPLOMA IN AQUACULTURE (DAQ)

00146 Term-End Examination

June, 2016

BAQ-003 : COASTAL AQUACULTURE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks. Draw suitable diagrams wherever necessary.

1. (a) Describe the major estuarine systems in India and explain their fish productivity. 10
(b) Define brackish water ecosystem and discuss its physical and chemical characteristics. 10
2. (a) Discuss the major criteria for the selection of hatchery site for finfish culture. 5
(b) Discuss the distribution, biology and importance of *Artemia* in aquaculture. 15
3. (a) What are the nutritional requirements of fish and shrimp larvae ? 10
(b) Describe the characteristics of pond water required to maintain its good productivity. 10

4. Describe the viral and bacterial diseases of shrimp. 20
5. (a) Discuss the culture of milkfish *Chanos chanos*. 10
- (b) What are the different requirements for the preparation of pond for the growth of shrimp post larvae ? 10
6. (a) List the agar yielding seaweeds and discuss any two of them. 10
- (b) Describe the formation of pearl by natural and culture methods. 10
7. Explain in detail feed formulation, types of feed and food management for brackish water fish and shrimp. 20
8. Write short notes on any **four** of the following : 4×5=20
- (a) Polyculture of seabass
- (b) Role of microalgae in aquaculture
- (c) Economics of shrimp farming
- (d) Larval stages of shrimp
- (e) Induced breeding of fish
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