

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

00561

June, 2019

BAQ-003 : COASTAL AQUACULTURE

Time : 3 hours

Maximum Marks : 100

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

1. (a) Explain the desirable characteristics of candidate species for aquaculture. 6
- (b) Differentiate between any **two** of the following pairs : 4
- (i) Monoculture and Polyculture of Milkfish
- (ii) Pens and Cages
- (iii) Extensive and Intensive fish culture practices.
- (c) Enlist the physico-chemical characteristics of brackish water environment. 10

2. (a) Explain in detail, the stratification of the marine environment with the help of a suitable diagram. 12
- (b) Give an account of the biota of the Neritic oceanic zone. Why is it relatively rich in species? 8
3. (a) What is “live feed” ? Describe the role of microalgae in aquaculture. 10
- (b) Explain the different types of algal culture. 10
4. (a) List six different types of soil parameters required for monitoring aquaculture and also explain any three of them in detail. 15
- (b) Write briefly on the role of metabolites affecting shrimp species. 5
5. Enlist the various types of viral diseases that inflict fishes. Describe any two of them in detail, with a note on their management also. 20
6. Write short notes on any **two** of the following : $2 \times 10 = 20$
- (a) The Economic Importance of Seaweeds
- (b) The Culture of the Tiger Prawn
- (c) Feed Additives