

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2016

00044

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. Discuss the distribution of marine life in different zones. Differentiate between planktons and nektons. 20

2. (a) Discuss the hatchery and nursery management of shrimps. 15
(b) What is the importance of artificial diet for larvae of shrimp and fish ? 5

3. (a) What are the major brackish water tables in India ? Write a note on the fisheries of any two lakes. 10
(b) Describe briefly the major issues of the coastal sea farming sector and name the management system required to solve these problems. 10

4. (a) List any five candidate species for fish culture and describe the culture of sea bass, Bhekta, (*Lates calcarifer*). 10
- (b) Describe any five bacterial diseases of fish. 10
5. (a) Discuss the various methods of pearl oyster farming. 15
- (b) What are the factors for the improvement of quality of pearls ? 5
6. Describe in detail the culture technique of tiger prawn (*Penaeus monodon*). 20
7. What are the culture conditions required for algae ? Explain algal culture techniques in detail. 20
8. Write short notes on any **four** of the following : $4 \times 5 = 20$
- (a) Culture practices for mud crab
- (b) Pond culture methods of sea weed
- (c) Induced maturation in prawn
- (d) Biomass and cyst storage of *Artemia*
- (e) Feed additives
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