

DIPLOMA IN AQUACULTURE (DAQ)

Term-End Examination

December, 2021

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) Give an account of ecological classification of organisms in brackish water system. 10
(200 – 250 words)
- (b) Define mangroves. What is their ecological importance ? Write a note on mangroves of India. (200 – 250 words) 1+2+7=10
2. Discuss different types of artificial feeds/diets used for feeding larvae. (450 – 500 words) 20
3. Discuss the various culture methods of Sea bass, *Lates calcifer* with respect to its mono- and poly-culture. (450 – 500 words) 20

4. (a) Differentiate between the following pairs of terms : (100 words each) $4 \times 2 \frac{1}{2} = 10$
- (i) Holoplankton and Meroplankton
 - (ii) Nauplius and Zoea larva
 - (iii) Mahuva oil cake and Saponin
 - (iv) Skimming and Tidal set net
- (b) Explain the various growth phases of algal growth and its significance in algal culture. (200 – 250 words) $8+2=10$
5. Discuss the various water quality parameters required for culturing of prawns. 20
(450 – 500 words)
6. Write short notes on any **two** of the following : (200 – 250 words each) 2×10=20
- (a) Seaweed Farming
 - (b) Pearl Formation
 - (c) Viral Diseases of Shrimp
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