



**WEST BENGAL STATE UNIVERSITY**

B.Sc. Honours 2nd Semester Examination, 2022

**IFFACOR04T-INDUSTRIAL FISH AND FISHERIES (CC4)**

**COASTAL AQUA CULTURE AND MARI CULTURE**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.*

1. Answer any **seven** questions from the following: 2×7 = 14
  - (a) What is the physical characteristics of an estuary?
  - (b) Write the composition of pearl. What is the difference between artificial and natural pearl?
  - (c) What are the different types of estuary?
  - (d) What is coral bleaching?
  - (e) What is lobster fattening?
  - (f) Write the disadvantages of open sea farming.
  - (g) Write four major difference between *Penaeus monodon* and *P. vannamei*
  - (h) Describe briefly the characteristic features of abyssopelagic zone.
  - (i) Write the scientific name of two sand lobster.
2. Write short notes on any **two** from the following: 3×2 = 6
  - (a) Hydrological Cycle
  - (b) Soil characteristics of brackish water pond
  - (c) Artificial propagation of Cobia
  - (d) Bioengineering problems and solution of cage culture.
3. Answer any **four** questions from the following: 5×4 = 20
  - (a) Briefly describe the culture practice of *Penaeus vannamei* in brackish water system.
  - (b) Write notes on site selection and seed collection for milkfish. 3+2
  - (c) What are the techniques used for sea weed culture. Mention the importance of sea weed products. 3+2

- (d) Write the problems and their solution in pearl oyster culture.
- (e) Write an account of designs of cage and selection of site for open sea farming.
- (f) What is the principle of polyculture? Mention polyculture practice of milkfish with suitable species combination. 2+3

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

—X—