



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 2nd Semester Examination, 2021

IFFACOR04T-INDUSTRIAL FISH AND FISHERIES (CC4)

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) Name two economically important pearl oysters found in India.
 - (b) Mention the problems of nursery rearing in sea bass culture.
 - (c) Give the scientific name of Spiny lobster and cobia.
 - (d) What is Phycocolloid? Mention its economic importance.
 - (e) What is Phyllosoma and Puerulus?
 - (f) Mention the feeding habit and growth potential of pearl spot.
 - (g) Polyculture is potentially sustainable than monoculture — Explain.
 - (h) Shrimp farming potentiality of *Penaeus vannamei*.
 - (i) Mention the essential requirements of a brackishwater fish farm.

2. Write short notes on any **two** from the following: 3×2 = 6
 - (a) Prospects of sea weed culture in India
 - (b) Threats to coral reef
 - (c) Sewage in fish culture
 - (d) Semi-intensive and intensive shrimp farming practice.

3. Answer any **four** questions from the following: 5×4 = 20
 - (a) What is mother of pearl? Comment on post-operative care and harvesting in artificial pearl culture method. 1+4
 - (b) What is brackish water? Explain the culture potentialities of crab in India. 1+4
 - (c) Write the scientific name of grey mullet. Describe briefly its culture practice. 1+4
 - (d) Discuss the fishery potential of major estuaries of India. 5
 - (e) Give a brief outline of marine zonation with a note on ecology of continental shelf. 3+2
 - (f) Write a brief account of cage construction with illustration. Mention the bioengineering problems and solutions. 3+2

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—