



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2021-22

IFFACOR06T-INDUSTRIAL FISH AND FISHERIES (CC6)

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 vacuum coater?
 - (b) What are the different types of Dry feed?
 - (c) What is protein efficiency ratio?
 - (d) What is demand feeder?
 - (e) What is expansion ratio of feed?
 - (f) What is the advantage of check tray method?
 - (g) What are factors affecting digestibility of fish feed?
 - (h) What is hydrostability of fish feed?
 - (i) What are the merits of micro-encapsulated diet?

2. Write short notes on any **two** of the following: 3×2 = 6
 - (a) Role of vitamins in fish nutrition
 - (b) Feed additive
 - (c) Classification of lipid
 - (d) Pearson's method of feed formulation.

3. Answer any **four** questions from the following: 5×4 = 20
 - (a) Write a brief account of feed manufacturing process in aquaculture with reference to manufacturing equipment. 5
 - (b) Give an account of starter, grower and finisher categories of shrimp feed. 5
 - (c) What is the storage problems of fish feed? Comment on the remedial measures. 2+3
 - (d) Write an account of general properties and classification of Protein. 2+3
 - (e) What is Michaelis-Menten equation? Describe the factors controlling enzymatic action. 2+3
 - (f) Describe the role of natural food in farm-made feed formulation. 5

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.*

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