



**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.*

—X—