



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 2nd Semester Examination, 2020

**IFFACOR03T- INDUSTRIAL FISH AND FISHERIES (CC3)**

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 gross primary productivity?
  - (b) What are the disadvantages of cage culture?
  - (c) Define weed fish with example.
  - (d) Define oligotrophic and eutrophic lake.
  - (e) Explain the merits and demerits of biological control of weeds in pond management.
  - (f) Write the scientific names of two freshwater mussels used in pearl culture.
  - (g) Define biomagnification.
  - (h) Write the characteristics of littoral zone of a lake.
  - (i) Write scientific names of two catfish species found in Ganga river system.
2. Write short notes on any **two** of the following: 3×2 = 6
- (a) Detritus food chain
  - (b) Role of liming in aquaculture
  - (c) Winter kill in lakes
  - (d) River zonation.
3. Answer any **four** questions from the following: 5×4 = 20
- (a) Write the major causes and control measures of eutrophication. 2+3
  - (b) Describe artificial propagation of *Anabas*. Briefly mention the prospect of pearl culture in India. 3+2
  - (c) Briefly describe the adaptations of lotic organisms. 5
  - (d) Describe the management strategies of Ganga river fishery. 5
  - (e) Define sewage. Mention the advantages and disadvantages of sewage fed fish culture. 1+4
  - (f) Briefly describe the factors affecting primary productivity in a pond or lake. 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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