

2023

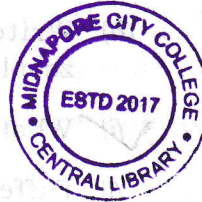
**BFSC 3rd Semester Examination**

**Fish Food Organism**

PAPER — BFSC-304

Full Marks : 50

Time : 2 hours



*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers  
in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

1. Answer **any ten** questions from the following :  
2×10=20

✓(a) Define primary producer with example.

✓(b) What do you mean by periphyton?

✓(c) Write two scientific names of blue green algae.

✓(d) What do you mean by picoplankton?

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- (e) Write a short note on forage fish with example.
- (f) Mention four important candidate species of live food organisms for fish culture.
- (g) State the proximate composition of earthworm.
- (h) Write scientific names of two marine zooplankton and phytoplankton.
- (i) What is brine shrimp?
- (j) Differentiate between producer and consumer.
- (k) State the importance of decomposers.
- (l) Mention the importance of infusoria in fish nutrition.
- (m) Define benthos with example.
- (n) Classify plankton on the basis of life cycle.
- (o) What do you mean by bait fish?
2. Answer any six questions from the following :  
5×6=30
- (a) Define plankton. Write down the classification of plankton based on their sizes.  
2+3=5

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(Continued)



( 3 )

- (a) State the role of live feed in aquaculture. 5
- (b) Write down the process of decapsulation and hatching methods of brine shrimp cyst. 5
- (c) State the culture methods of Tubifex in laboratory. 5
- (d) Discuss the culture method of Spirulina. 5
- (e) Write down the process of Rotifers culture. 5
- (f) "Aquatic insects are good food source for fish". Explain. 5
- (g) Discuss the culture method of Chironomid Larvae. 5
- (h) Narrate the food pyramid of a fish pond. 5
- (i) Enlist different types of live food organism used in aqua feed. 2+3=5

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