

2022

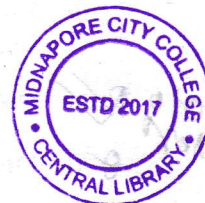
B.F.Sc. 3rd Semester Examination

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** from the following questions :
2×10=20

- (a) Define the word 'Nanoplankton'.
- ✓ (b) Write down two marine phytoplanktons. ✓
- Q (c) What do you mean by Periphyton? ✓
- (d) What is candidate species of zooplankton in fresh water with examples?
- Q (e) Give two examples of green algae. ✓

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(Turn Over)



(2)

- (d) Define fish food organisms. ✓
- (g) State the importance of phytoplankton. ✓
- (h) State about forage fish with example. ✓
- (i) What do you mean by bait fish? ✓
- (j) State the role of tubifex in larval nutrition of fish.
- (k) Classify planktons based on their life cycle. ✓
- (l) Define brine shrimp. ✓
- (m) Write down the names of two marine zooplanktons. ✓
- (n) State the important application of *Chara* sp. ✓
- (o) Write down two scientific name of Infusoria species.
2. Answer any six from the following questions :
- (a) What is bioencapsulation? Write down the importance of bioencapsulation technique in larval rearing of fish? 1+4=5
- (b) State the culture methods of tubifex larvae. 5
- (c) Define plankton. Write down the classification of planktons based on their size. 2+3=5

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(Continued)

(3)

- (d) State the importance of *Nostoc* sp and *Anabaena* sp. in aquaculture. 3+2=5
- (e) What is periphyton? Write down the importance of periphyton in aquaculture. 2+3=5
- (f) Write down the culture method of *Daphnia* sp. 5
- (g) State the decapsulation and hatching methods of brine shrimp cyst. 5
- (h) Name one important Rotifer species. Write down the culture techniques of Rotifer. 1+4=5
- (i) Briefly describe the pigment composition of Rhodophyta and Chlorophyta. 5
- (j) Name one important sea weed species. State the different uses of sea weed. 1+4=5

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