

2022

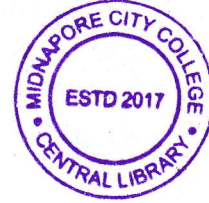
**B.F.Sc. 1st Semester Examination**

**Principles of Aquaculture**

PAPER — BFSC-101

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) What is the current fish production status of India?
- (b) State the contributions of fishery sector in Indian GDP.
- (c) What do you mean by cold-water fish culture?

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( Turn Over )



( 2 )

- (d) Define mariculture.
- (e) What types of material are used in fish cage construction?
- (f) What do you mean by Bhasabandha fishery?
- (g) Write the name of fishes reared in cage culture system.
- (h) Write the name of two important culture shrimps with commercial importance.
- (i) Define turbidity.
- (j) What is the desirable range of temperature and DO in ideal fish culture pond?
- (k) Write the name of two important finfish species cultured in brackish water.
- (l) Give two examples of plant derivative toxicants used in aquaculture.
- (m) What is the area of Exclusive Economic Zone and Indian Coastline?
- (n) What is monoculture?
- (o) What is the prospect of brackish water aquaculture in WB?

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(Continued)

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2. Answer any six from the following questions :

5×6=30

2D

- (a) Write a note on supplementary feeding management in composite fish farming.
- (b) What are the selection criteria of candidate species in freshwater aquaculture?
- (c) State the advantages and disadvantages of integrated fish farming.
- (d) Briefly explain integrated fish farming with examples.
- (e) State the carrying capacity of the pond. What are the factors responsible for carrying capacity in pond water?
- (f) What are the problems of cage farming system in India?
- (g) Illustrate the stocking density and species ratio in composite fish farming system.
- (h) Write a note on pre-stocking management of a nursery pond.

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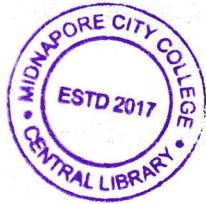
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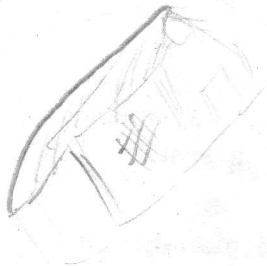
(4)

(i) Differentiate among extensive, semi-intensive and intensive fish farming methods.

(ii) Describe briefly the pond sanitization technique.



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B.F.Sc./1<sup>st</sup> Sem/BFSC-101/23

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