



Total No. of Questions: 4/18

Total No. of Pages: 02

First Year B.Sc
ZOO12401: Biofloc technology
(Semester II)

Program: BScGen03
Program Specific: Zoology
Course Type: Mandatory Major
Paper: IV

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labeled diagram wherever necessary.

SECTION: A

Q1) Answer the following

[5 X 1= 5]

1. Define fisheries.
2. What is biofloc culture?
3. Define Biofloc technology.
4. Explain the term water quality
5. What is salinity?

SECTION: B

Q2) Answer the following (Attempt any 5/7)

[5 X 2 =10]

1. Explain the basic concept of Aquaculture.
2. Enlist the benefits of Biofloc culture.
3. Comment on the rearing ponds used for aquaculture.
4. Name any two water quality parameters.
5. Explain the nutritive value of biofloc culture.
6. Enumerate the economic importance of aquaculture.
7. Explain the species suitable for biofloc culture.

SECTION: C

Q3) Answer the following/Write short notes on following (Attempt any 2/4)

[2 X 5 = 10]

1. Explain the following parameters in Biofloc technology-
 - a. Alkalinity.
 - b. Nitrate and Nitrite.
 - c. Settling solids and Total Suspended Solids.
2. Describe the role of microorganisms in Biofloc technology.
3. Sketch the layout and design of rectangular fish tanks.
4. Explain marine fisheries.

SECTION: D

Q4) Answer the following (Attempt any 1/2)

[5 X 1 = 5]

1. Describe Biofloc technology as a tool for management of Water Quality in Aquaculture.
2. Explain the various steps in fish farming.

MEP 2020