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**24-MF-23**

## **M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION JUNE - JULY 2024**

### **FISHERIES** Paper - III **[Aquatic Biology]**

*[Max. Marks : 75]**[Time : 3:00 Hrs.]**[Min. Marks : 26]*

**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

- Q. 1** What is Aquatic Ecosystem ? Explain the principles and role of ecology in aquatic ecosystem. (15 Marks)

**OR**

Describe oceanography in relation to fishery science.

- Q. 2** Describe Plankton and their role in aquatic ecosystem in relation to fisheries. (15 Marks)

**OR**

What is Macro vegetations ? Explain the methods of collection, preservation and identification of macro vegetations of fresh water.

- Q. 3** Describe influence of physical factors of the sea on the transformation of matter in marine environment. (15 Marks)

**OR**

Explain the food conversion and its application to ecology.

- Q. 4** What are Microbes ? Explain the types of microbes in detail. (15 Marks)

**OR**

Describe cyanobacteria and antagonistics characteristics of microbes and their evaluation.

- Q. 5** Explain waste waters and their primary, secondary and tertiary treatment. (15 Marks)

**OR**

Describe the types of Pollutions.

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