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25-MB-41

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION
MAY - JUNE 2025**

MICROBIOLOGY

Paper - I

[Food and Dairy Microbiology]

[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 all five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Describe Wine Production.

OR

What are Genetically Modified Foods ? Give some examples. Analyze their impact on Ecosystem.

Q. 2 Describe various types of infections caused due to ingesting contaminated Food.

OR

Write notes on –

- i) Roles of FDA and FSSAI.
- ii) Aflatoxins and their effect on human body.

Q. 3 Write down various factors responsible for spoilage of food products. Suggest some measures to prevent food spoilage.

OR

- a) Discuss the significance of food additives.
- b) Write a note on Canned Foods.

Q. 4 Which tests are usually applied for microbiological examination of milk ? Give their protocols.

OR

P.T.O.

Write notes on –

- i) Pasteurization
- ii) Microorganisms induced changes in milk.

Q. 5 Give an illustrated account of fermented milk products

OR

Write notes on –

- i) Cheese manufacturing.
- ii) Use of protease in dairy industry.

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