



RAN - 2003001105030002

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M. Sc. (Integrated Biotechnology) (Sem. - V)

Examination March - 2023

Dairy Technology

Generic Elective Course

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

M. Sc. (Integrated Biotechnology) (Sem. - V)

Name of the Subject :

Dairy Technology - Generic Elective Course

Subject Code No.: **2003001105030002**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagrams wherever necessary.

Q-1. Attempt the following questions in short (Any Four):

[08]

- 1) What do you mean by "Mature Milk"?
- 2) Why milk is not preferred to consume in diarrheal condition?
- 3) Significance of UHT treated Milk.
- 4) What do you mean of "Postbiotic"?
- 5) Role of stabilisers in Yogurt Formation.
- 6) Difference between Pasteurization and Sterilization.
- 7) Societal advantages of learning Dairy Technology.

Q-2. Attempt Any Two:

[14]

- 1) Describe the components of milk in basic composition form.
- 2) What kind of infrastructure has been set up to collect milk and transport it to dairy producers?
- 3) Write down four methods to evaluate the quality of milk.

Q-3. Explain in detail Any Two: [14]

- 1) Do you think UHT treatment is effective at preserving milk? Share your thoughts.
- 2) Describe the basic milk preservation techniques.
- 3) Write on: Indian Fermented Dairy Products.

Q-4. Attempt Any Two of the following: [14]

- 1) Explain: Sources of microorganisms in milk.
 - 2) What probiotic benefits are there for your health?
 - 3) Write about: Well-known probiotic and prebiotic supplements.
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