



RAN - 2003001105030002

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**B.Sc. Biotechnology (Sem. V) Examination October - 2023**

**GE : Dairy Technology**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**B.Sc. Biotechnology (Sem. V)**

Name of the Subject :

**GE : Dairy Technology**

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]**

- Advantages of learning Dairy Technology
- Role of stabilisers in Yogurt formation.
- Explain: MBRT
- Significance of UHT treated Milk.
- What do you mean by "Mature Milk"?

**Q-2 Attempt Any Two: [14]**

- How can dairy products be preserved? give a brief idea.
- What makes milk a "complete food"? justify
- Write down four methods to evaluate the quality of milk.

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

- a) Give an example of an Indian fermented beverages
- b) Do you think UHT treatment is effective at preserving milk?  
Share your thoughts
- c) Describe the basic steps involve in making a fermented dairy product: Cheese

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

- a) Write on: Biochemistry of Prebiotics
  - b) Health Benefits of Probiotics
  - c) Ideal Local Dairy structure to preserve the Milk and Transport Facilities
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