

TM242321I

Reg. No : .....

Name : .....

MASTER'S DEGREE (C.S.S) EXAMINATION, MARCH 2024  
2023 ADMISSIONS REGULAR

SEMESTER II - M. Voc. Food Processing Technology SKILL  
VFPT2S04TM20 - Technology of Milk and Milk Products

Time : 3 Hours

Maximum Weight : 30

**Part A**

**I. Answer any Eight questions. Each question carries 1 weight**

**(8x1=8)**

1. Recall on receiving step of milk.
2. With the help of flowchart, list the components present in milk.
3. Describe the changes observed in physicochemical properties of milk after homogenization.
4. Point out the differences between a clarifier and a separator in dairy industry.
5. Define the term 'Cheddaring' in cheese making.
6. List the types of Khoa that is made in India.
7. Give the importance of Pilot sterilization test done during manufacture of evaporated milk.
8. Identify the types and working of sterilizers used in dairy industries.
9. List some desirable properties that a dairy detergent should exhibit.
10. Identify the term 'Dairy Soil'.

**Part B**

**II. Answer any Six questions. Each question carries 2 weight**

**(6x2=12)**

11. Give a note on how genetic factors affect milk composition.
12. List some chemical tests that are done for testing of milk.
13. Briefly describe the working principle of MBRT test done for milk.
14. Briefly describe a generalized procedure for cheese making.
15. Differentiate between the manufacturing techniques in ghee making and malai.
16. Enlist the role of milk constituents in the manufacture of special milks.
17. Recall the important operating points that must be considered in a drum drying system.
18. Discuss on waste management in dairy industry.

**Part C**

**III. Answer any Two questions. Each question carries 5 weight**

**(2x5=10)**

19. Elaborate on the chemical and nutritional composition of milk.
20. Describe the various platform tests done for raw milk.
21. Recall the spray drying method of manufacturing milk powder.
22. Elaborate on the various detergents and sanitizers that are used in dairy industries.

