



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2022 Admission
III Semester Final Examination – February 2024

Pafe.2110

Processing Technology of Liquid Milk (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. is the largest milk producing state in India.
2. The per capita consumption of milk in India is
3. AMUL was started in the year
4. Yellowish colour in cow milk is due to the presence of
5. Lactose is made up of glucose and

Choose the correct answer

6. The specific gravity of buffalo milk is
(a) 1.025
(b) 1.028
(c) 1.032
(d) 1.040
7. The efficiency of pasteurization process is best judged by.....
(a) Lactoperoxidase test
(b) Turbidity test
(c) Phosphatase test
(d) Dye reduction test
8. If milk is added with water, the freezing point of milk.....
(a) remains same
(b) increases
(c) decreases
(d) none of the above
9. Operation flood programme III was started during
(a) 1970
(b) 1981
(c) 1985
(d) 1986
10. Indicative organism of Pasteurization
(a) *Mycobacterium tuberculosis*
(b) *Stap. aureus*
(c) *Stap. epidermidis*
(d) *Coxiella burnetii*

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Discuss the system of milk collection from primitive methods to the present day and the different pricing systems of milk.
2. Briefly explain the tests conducted at dairy for raw milk before processing.
3. Brief on composition of milk and three tier system of milk processing.
4. Define Pasteurization and mention the methods of pasteurization.
5. Write a note on homogenization of milk.
6. Write a note on physico-chemical properties of milk.
7. Write a note on Clean Milk Production.

III**Answer ANY FIVE of the following****(5x4=20)**

1. Write a note on Production and utilization of milk
2. Define cream and classify different types of cream.
3. Write a note on acidophilus milk.
4. Brief on CIP in Dairy Industry.
5. Write a note on HACCP.
6. Write a note on standardization of milk and mention the types.
7. Write a note on cream separation.

IV**Write an essay on ANY ONE of the following****(1x10=10)**

1. Define Milk and discuss the history and development of milk industry in India.
2. Explain the Pasteurization of milk with flow diagram.
