

FACULTY OF SCIENCE

B.Sc. (CBCS) III-Year (VI-Semester) Regular Examinations, June-2023

Dairy Science-VI (B)

(Dairy Microbiology)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Acid producing microorganisms present in milk.
2. Proteolysis of milk.
3. Standard plate count in microbiological examination of milk.
4. Commonly used detergents and sanitizers.
5. Methylene blue reduction test.
6. Interior of the udder as a source of contamination of milk and its control.

SECTION-B

(4x15=60 Marks)

Answer all the following questions

7. (a) Explain in detail about Psychrophilic, mesophilic and thermophilic microorganisms.
(OR)
(b) Write about protein splitting, fat splitting and inert organisms present in milk.
8. (a) Describe the changes like souring, ropiness and flavor fermentation observed during the storage of milk.
(OR)
(b) Write in detail about methods of clean milk production.
9. (a) Write an essay on milk born bacteria and virus diseases.
(OR)
(b) Write about direct microscopic count and Coliform test.
10. (a) Describe various methods of cleaning and sanitization of Dairy equipments.
(OR)
(b) Write in detail about the desirable properties of detergents and sanitizers.