

FACULTY OF SCIENCE

B.Sc. (Dairy Science) **CBCS** III-Year (V-Semester) Regular Examinations, Dec-2022/Jan-2023
Dairy Science-V/B
(Dairy Chemistry)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Constituents of milk.
2. Colostrum and its significance.
3. Physical properties of milk.
4. Milk Proteins.
5. Caramelization and its significance.
6. Preservatives of milk.

SECTION-B

(4x15=60 Marks)

Answer all the following questions

7. (a) Define milk, give composition of milk and how it differs from other animals.
(OR)
(b) Briefly describe composition, significance of colostrum and how it differs from normal milk.
8. (a) Describe factors affecting composition and yield of milk.
(OR)
(b) Describe chemical properties of milk.
9. (a) Write about Importance, Classification, Distribution, Genetic Polymorphism of milk protein.
(OR)
(b) Describe in detail enzymes in milk.
10. (a) Explain in detail about platform tests.
(OR)
(b) Briefly write about methods for detection of adulteration in milk.