

**SECTION -B (ESSAY TYPE QUESTIONS)**  
(5x10=50 Marks)

1. Describe the dairy development initiative taken by government to increase the countries milk production?
2. Enumerate various factors effecting clean milk production?
3. How could you prevent the spread of an infectious disease in farm?
4. What are the risks associated with drinking raw milk?
5. Why is it important to have vaccination schedule? When do you give an FMD vaccine?
6. What are the management practices important for dairy farming?
7. What are the major problems facing by the dairy farmers?
8. What is the difference between organic milk and regular milk? Is raw milk safe to drink. If yes, why if no why not?

==END OF PAPER==

**BACHELOR OF VOCATION**  
**Agriculture**  
**Subject: Dairy Technology**  
**Subject Code: AGR-609**  
**Semester: Third**  
**December 2021**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

**Roll Number**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
(10x2=20 Marks)

- A. The freezing point of cow's milk is  
a) 0.555 degree centigrade  
b) 0.560 degree centigrade  
c) 0.575 degree centigrade  
d) 0.588 degree centigrade
- B. The central institute for research and cattle is located in  
a) Merrut  
b) Lucknow  
c) Avikanagar  
d) Karnal
- C. The deficiency of which of trace mineral can lead to anaemia?  
a) Iron  
b) Copper  
c) Cobalt  
d) All of the above
- D. The floor space required for a cow in the covered area of loose house  
a) 12 m. sq.  
b) 8.5 m. sq.  
c) 5 m. sq.  
d) 3.5 m. sq
- E. Paneer manufactured using citric acid as coagulant give  
a) Good flavor  
b) Higher guminess  
c) Higher chewiness  
d) Maximum hardness

- F. In hay making the moisture content of forge crop reduced to  
a) 5-10 %  
b) 15-20 %  
c) 25-35%  
d) 40-50%
- G. The type of cleaning agents most suitable for rubber parts in dairy equipment's  
a) Strong alkalis  
b) Weak alkalis with sodium silicate as inhibitor  
c) Weak alkalis with sodium sulphite as inhibitor  
d) Weak acids
- H. Which of the following help in predicting shelf life of ghee?  
a) Polenske number  
b) Kirschner number  
c) Saponification number  
d) Induction period for oxygen absorption
- I. The buffalo breed indigenous to nilgiri hills in Tamilnadu  
a) Bhadawari  
b) Toda  
c) Murrah  
d) Mehsana
- J. Which method is not recommended in hand milking  
a) Dry hand milking  
b) Stripping  
c) Full hand milking  
d) Knuckling