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**SUBJECT CODE NO:- 2224**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y (Sem-II)**  
**Examination March/April-2022 (To Be Held In June/July-2022)**  
**Dairy Science and Technology-V**  
**Dairy Processing and Engineering**

[Time: 1:53 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
- i. Attempt all the questions.
  - ii. Illustrate your answer with labelled diagrams.
- Q.1 What is homogenization? Explain theory of homogenization in details. 20
- OR
- Define boiler. Explain various types of boiler used in dairy plant. 20
- Q.2 What is pasteurization? Explain L. T. L. T. method of pasteurization in detail. 20
- OR
- Write short notes on any four of following 20
- a) aseptic packaging
  - b) double toned milk
  - c) grading of milk
  - d) dairy plant layout
  - e) Refrigerants.
  - f) Standardization of milk.
- Q.3 Write for correct answer of the following multiple choice questions. 10
1. Where road facility not available for ----- method used for transportation of mix.  
 a) Bicycle    b) tonner    c) bullock cart    d) none of above.
  2. ----- tests are preformed to chance the quality of milk on receiving docx.  
 a) bacteriological    c) chemical    c) platform    d) none of above.
  3. The usual temperature of preheating of milk should be -----.  
 a) 10 to 15<sup>0</sup>c    b) 15 to 25<sup>0</sup>c    c) 25 to 35<sup>0</sup>c    d) 35 to 40<sup>0</sup>c
  4. For small scale pasteurization of milk ----- method is used.  
 a) HTST    b) LTLT    c) UHT    d) None of above.
  5. ----- test is used to measure pasteurization efficiency.  
 a) methylene blue    b) Phosphatase    c) Alcohol    d) Alizarin
  6. The milk producer deliver the milk to consumer on the basis of -----.  
 a) weight    b) Volume    c) both a & b    d) None of above

7. Toned milk should contain minimum ----- percent fat.  
a) 2    b) 3    c) 4    d) 5
8. ----- acid is used in acid cleaning.  
a) sulphuric    b) nitric    c) Hydrochloric    d) None of above
9. ----- pump used for viscous dairy products.  
a) cenmitgal    b) positive displacement    c) both a & b    d) None of above.
10. Milk tankers are usually-----.  
a) Insulated    b) jacketed    c) both a & b    d) none of above.