

Total No. of Printed Pages: 2

SUBJECT CODE NO:- B-2224
FACULTY OF SCIENCE & TECHNOLOGY
B.Sc. F. Y. (Sem-II)
Examination November/December-2022
Dairy Science and Technology-V
Dairy Processing and Engineering

[Time: 1:30 Hours]

[Max. Marks:50]

“Please check whether you have got the right question paper.”

- N.B. (i) Attempt all questions.
(ii) Illustrate your answer with labelled diagrams.

Q.1 Define homogenization. Explain single stage homogenization. 20

OR

Define Pump. Explain various types of Pumps used in dairy industry.

Q.2 Define Pasteurization. Explain HTST method of Pasteurization. 20

OR

Write short notes on any four of the following.

- a) Bottle Sterilization
- b) Flavoured milk
- c) Imitation milk
- d) CIP
- e) Cold Storage
- f) Cream Separator

Q.3 Write correct answer of the following multiple choice questions. 10

- 1) _____ is the quick & handy method of milk transportation.
 - a) Bicycle
 - b) Tonga
 - c) Boat
 - d) None of these
- 2) Milk is homogenized at temperature _____ °C.
 - a) 40 – 50 °C
 - b) 50 – 55 °C
 - c) 60 – 65 °C
 - d) 70 – 75 °C

- 3) In the appearance test _____ of milk should be tested.
 - a) Smell
 - b) Taste
 - c) Colour
 - d) Consistency

- 4) Regeneration is carried out in _____ method of Pasteurization.
 - a) Bottle c) HTST
 - b) LTLT d) All above

- 5) Objective of homogenization is to subdivide _____.
 - a) Fat
 - b) Protein
 - c) Lactose
 - d) All above

- 6) The method of adjustment of fat and SNF in milk is known as _____.
 - a) Pasteurization
 - b) Standardization
 - c) Homogenization
 - d) Sterilization

- 7) Double toned milk should contain minimum _____ % fat.
 - a) 0.5
 - b) 1.5
 - c) 2.5
 - d) 3.5

- 8) _____ cleaning is done without dismantling the equipment.
 - a) CIP
 - b) COP
 - c) Both a & b
 - d) None of above

- 9) _____ is commonly used refrigerant in dairy plant.
 - a) Methyl alcohol
 - b) Ammonia
 - c) Freon
 - d) None of above

- 10) _____ milk is an example of imitation milk.
 - a) Toned
 - b) Double toned
 - c) Skim
 - d) Soya