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SUBJECT CODE NO: - YY-2404
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (CBCGS)(Pattern 2022) F.Y SEM II
Examination April / May - 2024
Dairy Science and Technology-V
Dairy Processing & Engineering

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions
- 2) Illustrate your answer with suitable diagram

Q.1 Explain in detail in bottle sterilization of milk.

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OR

Explain in brief

- a) CIP & COP
- b) Properties of steam



Q.2 Explain in detail the method of milk standardization.

10

OR

Explain in brief

- a) Cream separation
- b) Formulation standards of pasteurization

Q.3 Write short notes on any two.

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- a) Double toned milk
- b) Imitation milk
- c) FDV in pasteurizer
- d) Sanitary milk pump

Q.4 Write Correct answer of the following multiple choice questions.

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- 1) In first stage homogenization, pressure of milk is _____ psi.
 - a) 500
 - b) 1000
 - c) 2000
 - d) 2500

- 2) Cream separator used for separation of _____
 - a) Protein
 - b) Fat
 - c) Minerals
 - d) Vitamins

- 3) The test used to determine efficiency of pasteurization:
- a) Lactase
 - b) Phosphatase
 - c) Lipase
 - d) Galactase
- 4) COB test determines _____ of milk
- a) Heat stability
 - b) Flavour
 - c) Colour
 - d) Taste
- 5) Immediately after pasteurization milk should be cooled to _____ degree C.
- a) 15
 - b) 10
 - c) 5
 - d) 0
- 6) Flavoured milk is mostly _____ milk.
- a) Pasteurized
 - b) Sterilized
 - c) Homogenized
 - d) Separated
- 7) Double toned milk contains _____ % milk fat.
- a) 4.5%
 - b) 6%
 - c) 3%
 - d) 1.5%
- 8) Filtration/clarification of milk carried out at _____ temperature range.
- a) 5-10 °C
 - b) 20-25 °C
 - c) 35-40 °C
 - d) 50-55 °C
- 9) _____ milk is imitation milk.
- a) Cow
 - b) Buffalo
 - c) Soya
 - d) Sheep
- 10) _____ is most common type of pump used in dairy plant,
- a) Diaphragm
 - b) Screw
 - c) Centrifugal
 - d) Piston

