

Total No. of Printed Pages: 2

SUBJECT CODE NO: - CB-2368
FACULTY OF SCIENCE AND TECHNOLOGY
B. Sc. F.Y (Sem-I)
Examination December/January-2022-23
Dairy Science and Technology-II DST-021 Dairy Chemistry and Microbiology

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) All question carry equal marks.
- 3) Draw neat diagram and give labels whenever necessary.

Q1 Describe role NDDDB and NDRI in Indian Dairy development. 10

Or

Explain in brief.

- a) Describe the role lactose in milk.
- b) Why milk is known as an idea food.

Q2 Describe undesirable fermentation of milk. 10

Or

Explain in brief.

- a) What is PFA standard for cow milk and buffalo milk in Maharashtra?
- b) What do you mean by adulteration of milk? Which are different sources of adulteration of milk.

Q3 Write short notes on any two. 10

1. Pigments in milk.
2. Sources of contamination of milk
3. Specific gravity of milk
4. Classification of Bacteria according to optimum temperature required for their growth.

Q4 Write correct answer of the following multiple choice questions.

10

1. Head quarter of AMUL is located at _____.
a) Delhi b) Anand c) Mumbai d) Pune
2. Dr. Varghese kurein is known as _____.
a) father of white revolution b) father of green revolution
c) father of blue revolution d) father of red revolution
3. Lactose is _____.
a) monosaccharide b) Disaccharide c) trisacchride d) tetrasacchride
4. _____ is device used to measure specific gravity of milk.
a) lactometer b) thermometer c) sediment tester d) Richmond's scale
5. Modules are _____.
a) unicellular b) ultra-microscope c) multicellular d) none of the above
6. One gram of milk fat will provide _____ cal. Energy.
a) 4.1 b) 4.6 c) 9.3 d) 11.2
7. Average acidity of cow milk is _____%.
a) 0.10 b) 0.13 c) 0.15 d) 0.18
8. _____ is the largest constitution present in milk.
a) protein b) lactose c) fat d) water
9. _____ is fat splitting enzyme.
a) catalase b) Analase c) lipase d) protease
10. If SPC/ml is over 500000 them that milk will be of _____ quality.
a) poor b) good c) fair d) very good