

D 141109**(Pages : 2)****Name.....****Reg. No.....****FOURTH SEMESTER B.Voc. DEGREE EXAMINATION, APRIL 2026**

Dairy Science Technology

SDC4DT18—FOOD SAFETY STANDARDS AND QUALITY MANAGEMENT

(2021 Syllabus)

Time : Two Hours and a Half

Maximum : 80 Marks

Part A

*Short Answer type Questions.
Each Question carries 2 Marks.
Ceiling 25.*

1. Define microbial quality of water.
2. What are noxious gases in dairy farms ?
3. Define environmental pollution.
4. What is manure pit ?
5. Mention two fly control methods.
6. Define isolation.
7. What is clean milk production ?
8. Define emerging pathogens.
9. What is risk communication?
10. Define food standards.
11. Expand CODEX and APEDA.
12. What is TQM ?
13. What is GMP ?
14. Mention two uses of reverse osmosis.
15. What is bioremediation ?

(Ceiling 25)

Turn over

Part B

*Paragraph/ Problem Type Questions.
Each Question carries 5 Marks.
Ceiling 35.*

16. Explain factors influencing water supply in dairy farms.
17. Discuss microclimatic requirements for livestock.
18. Describe drainage systems and traps in dairy farms.
19. Explain different types of disinfectants and their applications.
20. Discuss prevention of infection through isolation and quarantine.
21. Explain integrated food law and its importance.
22. Describe role of HACCP in dairy quality management.
23. Discuss rapid assessment methods for microbial and non-microbial contaminants in dairy foods.
(Ceiling 35)

Part C

Essays type, answer any two.

24. Discuss water hygiene in dairy farms including purification, hardness treatment and sterilization.
25. Explain waste management systems in dairy farms including composting, vermicomposting and biogas production.
26. Analyse responsibilities of Food Business Operators under food safety laws.
27. Examine the role of national and international regulatory agencies in dairy industry.
(2 × 10 = 20 marks)