

2031
B. Voc. (Food Processing and Preservation)
First Semester
FPP-104: Dairy Science and Technology

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer the following:-

- a) Define dairy science.
- b) Application of dye detection test?
- c) Who is the father of Indian dairy industry?
- d) What is the RRM?
- e) DTM is extend for?
- f) Write the one application of dairy plant disposal.
- g) What is the skimmed milk?
- h) Write names of two institutes, which are associated with dairy industry in India. (8x1)

UNIT – I

- II. a) Briefly describe about the quality of milk.
b) Write about the sensory evaluation of milk. Also, write about its significance. (2x4)
- III. a) What is the milk borne diseases? Briefly explained about two diseases present in human population.
b) Write short notes on TM and SPM. (2x4)

UNIT – II

- IV. a) What are the main diseases occur in the milch? Write only about two main diseases.
b) What are common nutrient requirements in the different dairy animals? (2x4)

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(2)

- V. a) What are the vaccination principal? Write about the vaccination programs for dairy animals.
- b) Briefly describe about the two viral diseases occurs animals. (2x4)

UNIT – III

- VI. a) Write about the major equipments used for paneer production.
- b) What are the applications of whey concentrates? (2x4)
- VII. a) Describe in brief about the main defects emerged during production of cream.
- b) Write about the major precautions taken during storage of dairy products. (2x4)

UNIT – IV

- VIII. a) Describe the role of dairy industry in Indian economy?
- b) Write a short note on Amul. (2x4)
- IX. a) What is the IVRI? Write its significance in the field of transgenic animals.
- b) Write in brief about the major role of dairy development organization to boost dairy product industry in India (2x4)

x-x-x