

1129

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 platform test?
- c) Who is the father of Indian dairy industry?
- d) What is the milch?
- e) DTM is extend for?
- f) Write the one application of transgenic dairy animals
- g) What is the NDRI?
- h) Write names of two institutes which are associated with animal husbandry in India. (8x1)

UNIT – I

- II. a) Briefly describe physico-chemical properties of milk.
b) Write about the milk spoilage. Also write about its causes and preventions. (2x4)
- III. a) What is the fortified milk? Briefly explained advantages of fortified milk for general population.
b) Describe about main parameters which determine quality of milk. (2x4)

UNIT – II

- IV. a) What are the main diseases occur in the new born calf? Write only about two.
b) What are common bacterial diseases which mainly occur in dairy animals? (2x4)
- V. a) What are the feed formulation principal? Write about the feed for pregnant animals.
b) Briefly describe about the vaccinations for animals. (2x4)

P.T.O.

(2)

UNIT – III

- VI. a) Write about the major equipments used for ghee production.
b) What are the applications of whey concentrates? (2x4)
- VII. a) Describe in brief about the main defects during production of paneer.
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 operation flood. (2x4)
- IX. a) What is the IVRI? Write its significance in the field of animal husbandry.
b) Write in brief about the major government initiative to boost dairy industry in India. (2x4)

x-x-x