

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR
SEMESTER END THEORY EXAMINATION, B. Tech. (D.T.)

Semester	: I (V Dean)	Academic Year	: 2023-2024
Course No.	: DBM-101	Course Title	: Milk Production Management and Dairy Development
Credits	: 2+1=3	Total Marks	: 50
Day & Date	: Friday; 01/03/2024	Time	: 2.00 hrs.

- Note :** 1) All questions from **Section 'A'** are compulsory.
2) Solve **Any Three** questions from **Section 'B'**.
3) Draw neat and well labeled diagram wherever necessary.

SECTION – 'A'

Q.1 A) Define the following. (05)

- i) Mastitis
- ii) Castration
- iii) Dehorning
- iv) Tattooing
- v) Clean Milk Production

B) Expand the following. (05)

- i) A.H.
- ii) TDN
- iii) A.I.
- iv) F.M.D.
- v) N.D.R.I.

Q.2 A) State whether True or False. If false, rewrite the statement after making necessary corrections in underlined word(s). (05)

- i) A dairy cow should have a rectangular body shape.
- ii) Draught breed includes cows with good milk production but male with poor working capacity.
- iii) Feeds that contain less than 18% crude fibre are called concentrates such as grains, oilcakes, grain by products etc.
- iv) Parturition is the act of delivery in animals.
- v) Removal of undesirable or unproductive animals from herd is deworming.

B) Choose the most appropriate answer from the options given below. (05)

- i) The origin of Holstein – Friesian cow breed is
 - a) Holland
 - b) Scotland
 - c) Switzerland
 - d) England
- ii) Which one of the following breed of buffalo have high percentage of milk-fat?
 - a) Murrah
 - b) Bhadawari
 - c) Mehsana
 - d) Nili

(P.T.O.)

- iii) Semen stored in liquid nitrogen at°C (degree Celsius) temperature.
- a) -176 °C b) -196 °C
c) -200 °C d) -186 °C
- iv) Animal husbandry does not deal with which of the following?
- a) Cows b) Prawns
c) Plants d) Fishes
- v) Which of the following processes is given major importance in dairy farm management?
- a) Increase in yield and quality of milk b) Increase in size of cattle
c) Increase in the number of cows d) Increase in number of buffaloes

SECTION –‘B’

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| Q. 3 | A) What is the importance of maintenance of farm records? | (05) |
| | B) Classify Indian cattle breeds on the basis of their utility. | (05) |
| Q. 4 | A) Describe the Structure and Function of Mammary System. | (05) |
| | B) Elaborate the various methods for identification of Cattle and Buffalo. | (05) |
| Q. 5 | A) Write the milking procedures for clean milk production. | (03) |
| | B) Write short note on housing system of dairy cattle. | (03) |
| | C) Explain how care and management of heifers can be done. | (04) |
| Q. 6 | A) Elaborate the methods for weighing of animals. | (03) |
| | B) What do you mean by crossbreeding? | (03) |
| | C) Write the different milking methods. | (04) |
| Q. 7 | Discuss in detail on the general farm practices performed at dairy farm. | (10) |
