

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Winter 2018 - 19 Examination

Semester: 1**Subject Code: 203116105****Subject Name: Milk Production Management and Dairy Development****Date: 15/12/2018****Time: 2:00pm to 4:30pm****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions (All are compulsory) (15)

A. Do as directed. (05)

1. What is the need of restraining of animals?
2. Enlist the acid & alkali cleaner used for dairy equipment sanitizer.
3. What is mean by AI?
4. Explain the advantage of loose housing systems.
5. Explain the Advantages of AI?

B Answer in one line. (05)

- (A) Calf
- (B) Casting
- (C) Castration
- (D) Deworming
- (E) Weaning

C MCQ's. (05)

(1) Milk production in India during 2016-17.

- (A) 150 mt
- (B) 164.5mt
- (C) 145.4 mt
- (D) None of above

(2)⁰Cis the temperature of liquid nitrogen.

- (A) -169
- (B) -196
- (C) -160
- (D) -190

(3) is the crossbreed developed from crossing of Brown swiss bull and Sahiwal Cow.

- (A) Karanswiss
- (B) Bharatswiss
- (C) Prathamswiss
- (D) None of the above

(4)chemical used for dehorning of cattles.

- (A) NaoH
- (B) KoH
- (C) A & B both
- (D) None

(5)mostly used for branding & tattooing of animals.

- (A) 0 to 9 numbers
- (B) A to Z alphabets
- (C) A & B both
- (D) None

Q.2 Answer the following questions. (Attempt any three) (15)

- (1) Explain the detail characteristics of two breeds of buffaloes?
- (2) Write a short note on “Branding & Tattooing of animals”?
- (3) Write an explanatory note on “Operation Flood Program”?
- (4) Describe in details the housing system of dairy animals.
- (5) Explain in details the methods of identification of animals.

Q.3 A) Write an explanatory note on “Care and management of calves” (07)

B) Explain the terms exercising, grooming and weighing of animals? (08)

OR

B) Describe in details the process of Artificial Insemination. (08)

Q.4 A) Explain in details the digestive system of animal. (07)

OR

A) Explain in detail the female reproductive organs of cattle. (07)

B) Describe in details the methods of casting of animals. (08)