

**SRI VENKATESWARA UNIVERSITY**  
**B.Sc. DEGREE COURSE IN DAIRY SCIENCE**  
**FIRST YEAR - SECOND SEMESTER**  
**(Revised Syllabus under CBCS w.e.f. 2020-21)**

**Suggested outcomes for the course 'Dairy Husbandry II' which is offered in II semester of B.Sc Dairy Science Programme.**

(Five units with each unit having 12 hours of class work). At the end of the course student will demonstrate the following.

The students will be able to

A. Remember and explain in a systematic way (Knowledge and Comprehensions\*)

In this course all the students are given enough exposure on various systems of housing of dairy cattle, selection of site for establishing of dairy farm, water management, drainage system, disposal of dairy farm waste, establishing gobar gas plants etc,

Students are taught on various diseases which the animals are susceptible such as bacterial, viral, parasitic and nutritional disorders.

They are also enlightened on management of different classes of dairy animals, quarantine, sanitation and hygiene etc,

Inputs are given to the students on various methods of identification, dehorning, castration, deworming, vaccination schedule to be followed, disinfection and milking management.

Enough exposure is given to the students for maintaining high level fertility in the herd.

B. Understand uses (Application\*\*)

As far as the application part is concerned students are given inputs on the measures to be taken while establishing a new dairy farm and also on various managerial aspects while maintaining a dairy farm. They are also given practical training so as to get hands on experience while maintaining a dairy farm.

C. Critically explains, judges and solves. (Analytical, Evaluative and Problem Solving\*\*\*)

The students are assessed for their analytical, evaluative and problem solving skills while on training in a dairy farm.

**SRI VENKATESWARA UNIVERSITY**  
**B.Sc. DEGREE COURSE IN DAIRY SCIENCE**  
**FIRST YEAR - SECOND SEMESTER**  
**(Revised Syllabus under CBCS w.e.f. 2020-21)**

**COURSE-II : DAIRY HUSBANDRY-II**

**THEORY**

**(3 Credits)**

- Unit-1:** Systems of Housing of Dairy cattle- Loose Housing and Conventional Dairy Barns. Drawing of layouts for dairy cattle dwellings; Criteria for selecting site for establishing Dairy farm buildings; Water requirement of dairy animals – drainage system in dairy farms –disposal of dairy farm wastes–composting– establishment of small scale gobar gas units (20 Lectures)
- Unit-2:** Symptoms of ill health of Dairy animals. Diseases of Dairy animals- Bacterial, Viral, Parasitic and Nutritional diseases and their control –Economically important diseases – mastitis and foot and mouth disease. (10 Lectures)
- Unit-3:** Management of different classes of Dairy animals- Milk producing animals, Pregnant animals, dry animals, heifers and calves –management of sick animals – quarantine, sanitation and hygiene –Management during transport, drought and summer season.
- Unit-4:** Management practices for Dairy farm; Identification, Dehorning, Castration, Deworming, Vaccination, Disinfection, and Milking management. (15 Lectures)
- Unit-5:** Maintenance of high level of fertility in the herd. Importance, reasons for low fertility, methods of maintaining high level of fertility in the herd. Methods of determining reproductive efficiency :(i) by no return percentage of cows, (ii) by calving interval period, (iii) by pregnancy days of cows per year.- Reducing prolonged calving intervals. (15 Lectures)

**Practical's**

**2 Credits**

1. Dairy Farm layout
2. Identification of cows,
3. Dehorning of calves
4. Castration of bulls
5. Deworming of dairy cattle
6. Preparation of vaccination schedule of dairy cattle
7. Identification of sick animals
8. Tests for hardness of water.
9. Determining the strength of detergent solution.

**Reference Books :**

1. Text book of Animal Husbandry - G C Benarjee
  2. Hand book of Animal Husbandry ICAR Edition
-

**SRI VENKATESWARA UNIVERSITY**  
**B.Sc. DEGREE EXAMINATION IN DAIRY SCIENCE**

**FIRST YEAR - SECOND SEMESTER**  
**(Revised Syllabus under CBCS w.e.f. 2020-21)**

**COURSE-II : DAIRY HUSBANDRY-II**

**MODEL QUESTION PAPER**

Time: 3 hours

Marks: 75 marks

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer any five of the following questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks

**PART – A**

Answer any Five of the following question.

**(5X5=25M)**

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

### PART – B

**Answer All The Questions. Each question carries 10 marks (5X10= 50M)**

9.	(A)	OR	(B)
10.	(A)		(B)
11.	(A)	OR	(B)
12.	(A)	OR	(B)
13.	(A)	OR	(B)