

B.Sc. Dairy Science (Vocational Subject)

I Year II Semester

Paper 2: Dairy Husbandry - II

Theory Syllabus (4 Credits)

60 Lectures

- Unit 1:** Systems of Housing of Dairy cattle – Loose Housing and Conventional Dairy Stanchion Barns. Drawing of layouts for dairy cattle dwellings; Criteria for selecting site for establishing Dairy farm buildings; Water requirement of dairy animals. (15)
- Unit 2:** Symptoms of sick Dairy animals. Diseases of Dairy animals – Bacterial, Viral, Parasitic and Nutritional deficiency diseases and their control. (15)
- Unit 3:** Management of different classes of Dairy animals – Milch animals, Pregnant animals, Dry animals, Heifers and Calves. Management practices for Dairy farm; Identification, Dehorning, Castration, Grooming, Deworming, Vaccination, Disinfection and Milking. (15)
- Unit 4:** 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 non return percentage of cows, ii) By calving interval period iii) By pregnancy days of cows per year. (15)

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Practical Syllabus (1 Credit)

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 disinfectant and detergent solutions.

Reference Books:

1. Text Book of Animal Husbandry – G.C. Banerjee.
2. Hand Book of Animal Husbandry – ICAR Edition.