

**B.Sc. Dairy Science (Vocational Subject)**  
**II Year IV Semester**  
**Paper 4: Dairy Development and Cooperative Societies**  
**Theory Syllabus (4 Credits)                      60 Lectures**

**Unit 1:** Advantages of Dairying. Principles involved in successful dairying. Systems of dairy farming – Mixed farming and specialized dairy farming. (15)

**Unit 2:** Methods of procurement of milk; Transportation of milk; Pricing of milk and marketing of milk. (15)

**Unit 3:** Cooperative Dairying – Structure of Dairy cooperatives; Primary milk producers Cooperative Society; District milk producers Cooperative Union; Objectives and functions. (15)

**Unit 4:** Dairy development programs implemented in India. Operation Flood program. Economics of maintaining Dairy Farm – Income and expenditure. Estimating the production cost of milk. (15)

**Note: On-Farm Training** for two weeks is compulsory during II year IV semester. Students need to submit report at IV semester Practical Exam for Evaluation (weightage of 20%).

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**Practical Syllabus (1 Credit)**

1. Record keeping.
2. Preparation of project reports for various sizes of dairy farm.
3. Calculations on cost of milk production.
4. Calculating the cost of milk production exercises for various sizes of farms.

**Reference Books:**

1. Dairy management in India – Madan Mohan.
2. Text Book of Animal Husbandry – G.C. Banerjee.
3. Principles and practices of Dairy Farm – Jagdish Prasad.