

M.Sc DAIRY SCIENCE**SEMESTER - 1**

Paper No	Subject	Contents Of Syllabus
Paper - I	INTRODUCTION TO DAIRY SCIENCE - I	Introduction to dairy science
Paper - II	ANIMAL HEALTH AND LIVESTOCK - I	Livestock Veterinary science, Animal health and livestock improvement: Issues and options for India and rest of the world
Paper - III	DAIRY FARMING AND MILKING - I	Dairy Cattle Milk And Milk Products
Paper -IV	DAIRY TECHNOLOGY - I	Dairy Technologies/Processing Facilities Modern Day Dairy Technology And Milk Supply In India
Paper - V	GOVERNMENTS'S INITIATIVES FOR DAIRYING - I	Animal Husbandry

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Paper No	Subject	Contents Of Syllabus
Paper - I	INTRODUCTION TO DAIRY SCIENCE - II	Animal Husbandry And Animal Breeding
Paper - II	ANIMAL HEALTH AND LIVESTOCK - II	Acquaculture
Paper - III	DAIRY FARMING AND MILKING - II	Dairy Farming

Paper -IV	DAIRY TECHNOLOGY - II	Global Dairy Science And Technology: An Introductory Overview Global Dairy Science And Technology
Paper - V	GOVERNMENTS'S INITIATIVES FOR DAIRYING - II	Animal Husbandry Veterinary Science And Dairying In India
SEMESTER - 3		
Paper No	Subject	Contents Of Syllabus
Paper - I	DAIRY PLANT MAINTENANCE - I	Dairy plant Maintenance Preventive Maintenance
Paper - II	DAIRY PRODUCTS AND SERVICES - I	Dairy Products, Biosynthesis, Grading And Defects Diary Products Creme Fraiche Buttermilk Powdered Milk Condensed Milk Ricotta Infant Formula Sales And Advertising For Milk Products Ghee Cheese Curd
Paper - III	CATTLE DEVELOPMENT IN INDIA - I	Cattle Development Oxen Development Hindu tradition of respecting cattles Cattle raiding Cattle Judging Cattle in Different religions The Martial tribes of India engaged in cattle development Mythology and worship of the Sacred Bull The Cow As A Kamdhenu Lord Shiva Riding Nandi The Famous Gangori Cow Cow Dung The Black Friesian Bull Shambo The Indicus Cattle Zebu Water Buffalo The Ancestor of Domestic cattle:Aurochs
Paper -IV	QUALITY CONTROL IN DAIRY INDUSTRIES - I	Advance Quality control in Dairy Industry Dairy Beef Quality Milk Quality Tips for Tough Times Managing Milk Fat Depression Testing bulk tank milk samples On-Farm test for drug residues in milk Cleaning and sanitizing milking equipment Preventing drug residues in milk and cull dairy cows Dairy profitability, Milk Quality and Feed Efficiency Pasteurising milk and Colostrum Feeding non-saleable milk to Dairy Calves Milking equipment in Mastitis Detecting the Dairy cow immune response in a high-tech blast Managing Milk composition and evaluating herd potential 100,000 Somatic cell count(SCC): Why Not? Florida Dairy Farm situation Nutrition Changes Milk Composition Beat Calf Scours Stress Among Animals Disease Biggest concern when feeding Waste milk Keeping too many Heifers
Paper - V	MARKETING OF DAIRY PRODUCTS - I	Marketing of Amul Products Milk and Dairy products Preserving quality Dairy products Cadbury dairy milk Report and services for Agricultural and food products Indian Dairy Butter milk powder Milk Allergy Packaging of Dairy Products
SEMESTER - 4		
Paper No	Subject	Contents Of Syllabus

Paper - I	DAIRY PLANT MAINTENANCE - II	Milk Plant Maintenance Maintenance of service equipment
Paper - II	DAIRY PRODUCTS AND SERVICES - II	Cottage Cheese Quark Cream Cheese Fromage Frais Youghurt Varieties Of Dahi Ayran Lassi Ice Milk Kumis Villi Filmjolk VLA
Paper - III	CATTLE DEVELOPMENT IN INDIA – II	The Forest Animal of Asia: Gaur The Wild Cattle of Southeast Asia: Banteng Cattle Age Determination Livestock Branding Cattle Breeds Functionally classified Barn Cattle Crush Cattle Race Cattle Decapitation Cattle Drives in the United States Cattle Feeding Cattle Grid Cattle Mutilation Rinderpest Rolling Stock used for carrying Livestock Bovine Papilloma Virus
Paper -IV	QUALITY CONTROL IN DAIRY INDUSTRIES - II	Firm Footing Fly Control Grow'em or Farm'em out? Haemophilus Somnus Healthtips for “ Heifer Ranches” Ice-Box Heifers Effect of temperature and body mud on Nem Requirements of Dairy Replacement Heifers Keep Johne’s at Bay Organize your Dairy Parasite Control and Strategies for Dairy Cattle Timing deworming treatments for maximum control Persistence pays Plan your attack on flies Separation Anxiety Somebody Else Job Starters Crucial Link in Rumen Development Cost of poor Heifer Management When Mother Nature Needs a Nudge Dairy Microbiology
Paper - V	MARKETING OF DAIRY PRODUCTS - II	Indian Food oil Living without dairy products The Raw vs. Pasteurized Debate Raw Foodism Raw foodism Raw veganism Vegetarianism Raw Animal Food Diets Dairy: World markets and trade Dairy marketing