

II YEAR - SEMESTER – IV
KAKATIYA UNIVERSITY – WARANGAL - TELANGANA
Under Graduate Courses (Under CBCS 2025-26 onwards)

PAPER-IV: Technology of Animal Foods

Unit-I

Definition of milk- composition, sources of milk, types of cow and buffalo varieties for high yielding of milk and nutritive value of milk-physical and chemical properties of milk. Processing of milk: Receiving of milk, Platform tests, filtration and clarification, standardization – Pasteurisation Methods - Sterilisation methods, Homogenisation, packaging and distribution of milk. Types of milk. Milk production as an entrepreneurship activity- government schemes.

Unit-II

Processing of milk in to different milk products-Cream, butter, ghee, cheese-types. Fermented milk products.

Manufacturing of Ice-cream- Definition, classification, composition, ingredients used, colours and flavours used, defects and over-run in ice-cream.

Manufacturing of indigenous milk products-Khoa, kalakhand, paneer, rasogolla, channa.

Unit III

Meat industry in India-sources of meat-composition, nutritive value and microscopic structure of meat- stunning and slaughtering methods -Post mortem changes in meat-meat preservation methods and packaging of meat

Classification of poultry meat; Composition and nutritional value of poultry meat; Processing of poultry meat; By-product utilization. Structure, composition and nutritive value of egg.

Unit-IV

Fish industry and production in India. Classification of fresh water fish and marine fish; Commercial handling, storage and transport of raw fish; Average c o m p o s i t i o n of fish; Freshness criteria a n d quality assessment of fish; Spoilage of Fish; Methods of Preservation of fish: Canning, Freezing, Drying, Salting, Smoking and Curing. Fish products and shrimp processing

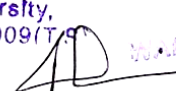
Course Outcome:

- Student will be able to understand the importance of meat, preservation and processing into different products


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