

SRI VENKATESWARA UNIVERSITY:'TIRUPATI
B.VOC. HONOURS PROGRAMME IN DAIRY AND ANIMAL HUSBANDRY
COURSE STRUCTURE

V - SEMESTER W.E.F. 2025-26

Courses	Title of Paper/Course and code	Credits per course	Hours/ week	Total "ours/ Course	Marks		
					Internal	External	Total
Minor -I	Meat production of abattoir management	3	3	45	25	75	100
Practical	Meat production of abattoir management	1	2	30		50	50
Minor -II	Veterinary pharmacology	3	3	45	25	75	100
Practical	Veterinary pharmacology	1	2	30		50	50

SRI VENKATESWARA UNIVERSITY: TIRUPATI

MINOR: DAIRY AND ANIMAL HUSBANDRY

V- SEMESTER

MINOR-I: MEAT PRODUCTION OF ABBATTIOR MANAGEMENT

Credits-3

UNIT - I

9 Hrs

Prospect of meat industry in India. Nutritive value of Meat

UNIT – II

9 Hrs

Presentation of meat and poultry; drying, salting, curing, smoking, chilling, freezing, canning, irradiation and chemical. Ageing of meat

UNIT – III

9 Hrs

Modern processing technology of meat and meat products. packaging of meat and products. Formulation and development of meat; kabab, sausages, meat balls or patties, tandoori chicken, soup, pickles

UNIT – IV

9 Hrs

Layout and management of rural, urban and modern abattoirs. HACCP concept in abattoirs management. FSSA standards on organization and layout of abattoirs. Animal welfare and preslaughter care, handling and transport of meat animals including poultry

UNIT – V

9 Hrs

Procedures of ante- mortem and post mortem examination of meat animals. Slaughtering and dressing of meat animals and birds. Evaluation, grading fabrication of dressed carcasses

PRACTICALS SYLLABUS
MINOR-I: MEAT PRODUCTION OF ABATTIOR MANAGEMENT
Credits-1

1. Visit to slaughter houses or meat plants
2. packaging of meat, poultry shell eggs and their products.
3. Estimation of deteriorative changes and meat products
4. preparation of comminuted and non comminuted meat and poultry products.
5. Evaluation external and internal egg quality and preservation tactic of eggs
6. methods of ritual and humane slaughter, flaying and dressing of food animal including poultry.
7. carcass evaluation
8. Determination of meat yield, dressing, meat bone ratio and cutup parts.
9. Preparation of different abattoirs by products.

SRI VENKATESWARA UNIVERSITY: TIRUPATI

B. VOC. HONOURS PROGRAMME IN HORTICULTURE

MINOR: DAIRY AND ANIMAL HUSBANDRY

THIRD YEAR V- SEMESTER

under CBCS W.E.F.2023-24 AY Onwards

MINOR-II: VETERINARY PHARMACOLOGY

Credits-3

UNIT – I

9 Hrs

Introduction, historical development, branches and scope of Pharmacology. Sources and nature of drugs. Pharmacological terms and definitions, nomenclature of drugs.

UNIT – II

9 Hrs

Principles of drug activity: Pharmacokinetics - Routes of drug administration, absorption, distribution, biotransformation and excretion of drugs.

UNIT – III

9 Hrs

Pharmacodynamics - Concept of drug and receptor, dose-response relationship, terms related to drug activity and factors modifying the drug effect and dosage. Adverse drug reactions, drug interactions

UNIT – IV

9 Hrs

Classification of drugs. History, mechanism and stages of general anesthesia. Inhalant, intravenous and dissociative anesthetics.

UNIT – V

9 Hrs

Hypnotics and sedatives; psychotropic drugs, anticonvulsants, opioid analgesics, non-steroidal anti-inflammatory drugs, analeptics and other CNS stimulants. local anesthetics, muscle relaxants. Euthanizing agents.
Fluid therapy.

PRACTICALS SYLLABUS
MINOR-II: VETERINARY PHARMACOLOGY
Credits - 1

1. Handling and washing of laboratory wares.
2. Handling and operation of commonly used laboratory instruments. Concept of good laboratory practices (GLP).
3. Pharmacy appliances. Principles of compounding and dispensing. Metrology, systems of weights and measures, pharmacy calculations. Pharmaceutical processes. Pharmaceutical dosage forms.
4. Prescription writing, incompatibilities.
5. Drug standards and regulations, custody of poisons.
6. Compounding and dispensing of powders, ointments, mixtures, liniments, lotions, liquors, tinctures, emulsions and electuaries.
7. Demonstration of various chemotherapeutic agents and their dosage forms

Reference books:

1. Veterinary Pharmacology Vall achira Aravindan
2. Essentials Of Veterinary Pharmacology and Therapeutics H S Sandhu
3. Handbook of Veterinary Pharmacology Walter
4. Veterinary Pharmacology and Toxicology B. K. Roy
5. Essentials of Medical Pharmacology KD Tripathi

