

5th SEMESTER
VETERINARY TECHNOLOGY
(COMMERCIAL BROILER FARMING)
SKILL ENHANCEMENT COURSE (SEC)

CBF520S COMMERCIAL BROILER FARMING -II (FEEDING MANAGEMENT OF BROILERS)

CREDITS: THEORY: 2, PRACTICAL: 2
MAX MARKS: THEORY: 30, PRACTICAL: 30
MIN MARKS: THEORY: 12, PRACTICAL: 12

***Learning objective:** To deal with different scientific management practices of commercial broilers for higher production and better profitability.*

***Learning outcome:** Development of poultry management skills among stakeholders; Generation of employment among the beneficiaries*

THEORY (2 CREDITS)

UNIT I: FEED INGREDIENTS AND TYPES

Selection of feed ingredients, composition and preparation of feed. Non- conventional feed resources. Storage and quality control of feed. Physical and sensory evaluation of feed ingredients. Different forms & types of feed. Different systems of feeding. Feed conversion ratio.

UNIT II: NUTRITIONAL REQUIREMENT OF BROILERS

Nutritional requirements of broiler. Feed formulation. Feed additives used for poultry- phytonics, enzymes, probiotics, prebiotics, symbiotics, organic acids etc. Mineral nutrition, role of minerals and vitamins.

PRACTICALS (2 CREDITS)

Physical and sensory evaluation of feed ingredients. Different sources of feed- energy. Selection of feed ingredients-their level of inclusion. Proximate composition of feed. Methods of ration preparation. Preparation of feed- premix. Unconventional feed ingredients. Least cost feed formulation. Feed conversion ratio. Feed mill-Grinding mill, mixer, conveying systems, magnetic separator, Packaging and storage.

BOOKS RECOMMENDED

1. Singh, R. A., 2011. Poultry Production. 3rd Edition. Kalyani Publishers, New Delhi.
2. Avian (Poultry) Production: A textbook by D Sapkota, D Narahari and JD Mahanta. New India Publishing agency, New Delhi.
3. Commercial broiler production by D. Narahari. Emkay Productions- Delhi
4. Poultry Production and Hatchery Management by M.T. Banday and S. Adil. Satish serial publishing house Delhi
5. Broiler Fanning and Management by S.S. Honnappagol, SC Biradar and KM Gadre. Jaypee Brothers Medical Publishers, New Delhi.