

### OBJECTIVES:

- To study about body points/parts of different domesticated animals and poultry
- To Approach and handling methods of restraining.
- To Identify methods of farm animals and poultry (branding, tattooing, notching & tagging).

### COURSE OUTCOMES

**CO1:** Elaborate on the demographic distribution and population dynamics of livestock

**CO2:** Explain the design and construction of livestock and poultry buildings.

**CO3:** Categorize the breeds of livestock and explain their management.

**CO4:** Discuss the nutritional and Disease management of livestock and poultry.

#### UNIT – I:

**(4 Hours)**

1. Demographic distribution of live-stock population.
2. Population dynamics of live-stock and role in Indian economy.
3. Reproduction in live-stock and poultry.
4. Housing systems live-stock and poultry.
5. Design and construction of live-stock and poultry buildings.
6. Selection of site and General principles affecting the design.

#### UNIT – II:

**(4 Hours)**

1. Arrangements of building.
2. Building materials
3. Indian breeds of cattle, buffalo, sheep, goat, swine and poultry
4. exotic breeds of cattle, buffalo, sheep, goat, swine and poultry
5. Management of calves, growing heifers and milch animals
6. Management of sheep, goat and swine
7. Incubation, hatching and brooding

#### UNIT – III:

**(4 Hours)**

1. Improvement of live-stock and poultry.
2. Digestion and metabolism live-stock and poultry.
3. Classification of feedstuffs for live-stock and poultry.
4. Proximate principles of feed.
5. Nutrients and their functions.
6. Feed ingredients for ration- Balanced ration.
7. General principles of computation of ration.

**UNIT – IV****(4 Hours)**

1. Formulation of rations and feeding dairy cattle and buffaloes.
2. Formulation of rations sheep, goat and swine and poultry.
3. Feed supplements Feed additives in the rations of live-stock and poultry.
4. Feeding of live-stock and poultry.
5. Diseases of cattle and buffaloes.
6. Diseases of sheep, goat and swine.

**UNIT – V****(4 Hours)**

1. Diseases of Poultry.
2. Sanitation – Sanitation of live-stock and poultry houses.
3. Prevention of infectious diseases in live-stock and poultry.
4. Vaccination schedule for cattle and buffaloes sheep, goat.
5. Vaccination schedule for swine and poultry.
6. Control of infectious diseases in live-stock and poultry.

**REFERENCES BOOKS:**

1. 19th Livestock Census. (2012). All India Report, Government of India, Ministry of Agriculture, Department of Animal Husbandry, Dairying and Fisheries, Krishi Bhawan, New Delhi: p. 120.
2. Ballard, B and Rockett, J. (2009). Restraint and handling for veterinary technicians and assistants. Delmar Cengage Learning Inc., Cifton Park, USA: p. 172.
3. Banerjee, G.C. (1992). A Textbook of Animal Husbandry. 7th Edn. Oxford and IBH publishing Co. Pvt. Ltd., India.
4. Basic Animal Husbandry & Fisheries Statistics. (2014). Government of India, Ministry of Agriculture, Department of Animal Husbandry, Dairying and Fisheries, Krishi Bhawan, New Delhi: p. 156.
5. Bundy, C.E and Diggins, R.V. 1999. Livestock and poultry production. 3rd ed. Blackwell publishing, UK: p. 298.