

SYLLABUS AS PER 5TH DEAN COMMITTEE ICAR RECOMMENDATION

ANIMAL PRODUCTION

1. LPM 5.1 Ruminant Production and management (2+1=3)

Theory

Role of livestock in the national economy. Reproduction in farm animals (Ruminants), Housing principles, space requirements for different species of livestock(Ruminants), Management of calves, growing heifers, dry and pregnant animals and milch animals. Management of sheep, goat, Important Indian and exotic breeds of cattle, buffalo, sheep, goat, Improvement of farm animals (Ruminants), Digestion in ruminants, Classification of feed stuffs. Proximate principles of feed. Nutrients and their functions. Feed ingredients and ration for livestock, Feed supplements and feed additives. Feeding of livestock, Introduction of livestock diseases, Prevention (including vaccination schedule) and control of important diseases of livestock. Preparation of milk products.

Practical

External body parts of cattle, buffalo, sheep, goat, Handling and restraining of livestock. Identification methods of farm animals, Visit to IDF to study breeds of livestock and daily routine farm operations and farm records. Judging of cattle, buffalo, Culling of livestock, Planning and layout of housing for different types of livestock. Computation of rations for livestock. Formulation of concentrate mixtures. Clean milk production, milking methods. Economics of cattle, buffalo, sheep, goat. Sampling and testing of milk.

2. LPM 6.2 Poultry Production and Management (1+1=2)

Theory

Role of poultry in the national economy.. Housing principles, space requirements for different classes of poultry birds poultry. Incubation, hatching and brooding. Management of growers and layers and broilers. Formation of egg. Important Indian and exotic breeds of poultry. Improvement of poultry. Digestion and Reproduction in poultry . Feed ingredients for ration, Feed supplements and feed additives. Feeding and nutrition of different classes of poultry. Prevention (including vaccination schedule) and control of important diseases of poultry.

Practical

External body parts and points of poultry. Identification methods poultry. Visit to IPF to study daily routine farm operations and farm records. Judging of poultry. Culling of poultry. Planning and layout of housing for different types of poultry. Formulation of concentrate mixtures. Hatchery operations, incubation and hatching equipments. Management of chicks, growers and layers. Debeaking, dubbing and vaccination. Economics of poultry production. preservation of eggs.