1st Year AHDP

Paper – I: Introductory Veterinary Anatomy

Semester I

Name of the Course: Introductory Veterinary Anatomy-I
(General Loco motor & integument system and General Histology)
Course No. AHD-111; Cr. Hrs. 3 (2+1)

Theory

1. Study of bones – Glossary of osteology, Classification, work and identification of various bones of the body of cow, horse, dog, sheep, pig and poultry and comparison thereof.
2. Study of joints and hinges of the body
3. Study of muscles and tendons of leg and neck
4. Study of skin and others e.g. epidermis, dermis, hypodermis, sweat glands of skin, horn, claws, chestnut etc.

Practical

Practical introductory study of following using charts, models and basic laboratory facilities:

1. Study of bones –identification of various bones of the body of cow, horse, dog, sheep, pig and poultry and comparison thereof.
2. Study of joints and hinges of the body
3. Study of muscles and tendons of leg and neck
4. Study of skin and others e.g. epidermis, dermis, hypodermis, sweat glands of skin, horn, claws, chest nut etc.

Semester II

Name of the Course: Introductory Veterinary Anatomy-II (General Splanchnology)
Course No. AHD-112; Cr. Hrs. 3 (2+1)

Theory

1. Cell Structure, Tissue Structure
2. Digestive system – mouth, tonsils, pharynx, esophagus, ruminant and non-ruminant stomach, small intestine, large intestine,. associated organs and digestive gland for digestion.
3. Respiratory system- nostril, nasal cavity, sinus, pharynx, larynx, trachea, lungs, thorax, pleura, respiratory physiology.
4. Circulatory system – heart, blood arteries, veins, portal circulation, foetal circulation, lymphatic system.
5. Excretion system – Structure of kidney, ureter, bladder, urethera, structure of nephrons etc.

6. Female genital system – ovary, uterine tube, uterus, vagina, vulva, blood arteries, and nerves related to genital system.
7. Male genital system – Testis, Scrotum, epididimus, ductus deferens, penis, muscles, blood arteries, nerves related to genital system, accessory sex glands, secondary sex characters.
8. Structure of udder.

Practical

Practical introductory study of following using charts, models and basic laboratory facilities:

1. Cell Structure, Tissue Structure
2. Digestive system – mouth, tonsils, pharynx, esophagus, ruminant and non-ruminant stomach, small intestine, large intestine,. associated organs and digestive gland for digestion.
3. Respiratory system- nostril, nasal cavity, sinus, pharynx, larynx, trachea, lungs, thorax, pleura, respiratory physiology.
4. Circulatory system – heart, blood arteries, veins, portal circulation, foetal circulation, lymphatic system.
5. Excretion system – Structure of kidney, ureter, bladder, urethera, structure of nephron etc.
6. Female genital system – ovary, uterine tube, uterus, vagina, vulva, blood arteries, and nerves related to genital system.
7. Male genital system – Testis, Scrotum, epididimus, ductus deferens, penis, muscles, blood arteries, nerves related to genital system, accessory sex glands, and secondary sex characters.
8. Structure of udder.