

2nd Year

Paper – I : Introductory Veterinary Pharmacology

Semester I

**Name of course: Introductory Veterinary Pharmacology -I
Course No. AHD 211**

Theory

1. Glossary of pharmacology viz. Indian pharmacopoeia, British pharmacopoeia, meteorology
2. Weights and measures; their symbol used during prescription.
3. Compounding and dispensing, powders, mixtures, electuary, ointment, lotion, paste, pultis, procedure and application/uses.
4. Route of administration of drugs viz. per os, per nose, per rectum, in urogenital tract, topical application etc. injections i.e. intravenous, intramuscular, subcutaneous, intratracheal, intraruminal.
5. Posology/doses factors affecting dose rate viz. age, body weight, sex, environment, habitat, disease, route of administration, effect of drug, rate of excretion of drug.
6. Pharmaceutical classification, table of veterinary formulae and pharmacopial formulae viz. manufacturing drugs having base as water, alcohol, vinegar, oil etc.
7. Result of drug action.
 8. Classification of drugs on the basis of their action e.g. mouth antiseptic, stomachic, aromatic, antisialics, gastric antacid, and anti emetics, carminative, purgative, laxative, astringent, anthelmintics, diuretics, ecboic, galactagogue, uterine anti coagulant, haemostatic, haematinic, vasodilator, vasoconstrictor, bronchodilator, bronchoconstrictor, expectorant, respiratory stimulant, respiratory sedative, cerebral stimulant, analgesic, sedative, hypnotic, narcotics, tranquillizers, anesthetic, euthanasia, mydiatriatic, myotic, antipyretic, alterative tonic, nutrient, vitamins, anti histaminics, anti inflammatory, irritant, caustic, tRAJUVA Smatic, refrigerants, detergents, deodorants, antibiotics, antiseptics, anti-parasitic.

Practical

1. An introduction to basic pharmacology laboratory.
2. Basic knowledge of weights , measures and weighing.
3. An introduction to compounding and dispensing.
4. Powders
5. Mixtures
6. Electuary
7. Ointment
8. Lotion
9. Paste
10. Pultice
11. Administration of drugs viz. per os, per rectum, injections (I/M,I/V,S/C,I/ruminal) etc .
12. To understand prescription of veterinarian and to treat animal accordingly
13. Functions of alcohol , potassium permanganate , iodine, paraffins, wax etc. in pharmacology preparations