SYLLABUS

PAPER –I: General Studies and Mental Ability (DEGREE STANDARD) – 50 Marks – 50 Mins

PAPER-II: Subject Knowledge – 100 Marks – 100 Mins

COMMON SYLLABUS PRESCRIBED FOR THE WRITTEN EXAMINATION TO BE CONDUCTED FOR ANIMAL HUSBANDRY ASSISTANT POSTS IN ANIMAL HUSBANDRY DEPARTMENT

1. Basics in Veterinary anatomy and Physiology:
   Major bones and joints of Animals, Important organs & functions of Digestive, Respiratory, Circulatory, Urinary, Genital, Nervous and endocrine system.

2. Infectious Diseases of Livestock Poultry:
   Characteristics of different infectious agents, Bacteria, Virus, parasite (external & Internal), Transmission of diseases of Livestock poultry
   Bacterial Diseases: Anthrax, HS, BQ, Mastitis, TB, JD, Brucellosis, Pullorum Disease, fowl Cholera.
   Parasitic: Ascarasis, strongylosis, amphistomiasis, mange, ticks, lice.
   Fungal: Ring Worm, Vaccines for infectious diseases
   General hygiene prevention & control measures of infectious diseases of livestock & poultry

3. Veterinary Pharmacy:
   Drugs, forms, weighing, measuring (units) routes of administration of drugs, oral parenteral ( SC, IM, IV) Forms of drugs – Powders, mixtures, lotion, ointment, paste, tablet, electuary, enema, tinctures, bolus, emulsion, Standards of drug manufacturing I.P, B.P., B.Vet.C.

4. Fundamentals of Animal reproduction and Gynaecology:
   Genital organs of different livestock species, sexual maturity, estrus cycle, gestation, pregnancy diagnosis, parturition, infertility and sterility and their treatment, common reproductive disorders – Dystocia & Retention of placenta

5. Basics in artificial insemination:
   Advantages of AI, Preparation of AV, Semen collection, Management of Frozen ‘semen, Handling of liquid nitrogen container, detection of heat in different livestock, insemination techniques, precautions for successful AI, follow up of AI

6. Basics in Surgery:

7. Fundamentals of Veterinary Medicine:
   Definition of Health, disease, symptoms. Physical & clinical examination of animals. Collection of History. General Diagnosis, treatment and control of diseases of gastrointestinal tract, liver, respiratory system, skin, Uro-genital tract, nervous system, metabolic and deficiency diseases

8. Introduction of Veterinary Biologicals and Vaccines:
   Veterinary Biologicals and their importance in Veterinary practice. Handling & storage of various Biologicals. Vaccination schedule for livestock and poultry.

9. Veterinary First Aid and clinical Management:

10. Analytical Laboratory Techniques: Common equipment for laboratory analysis, guidelines for handling chemicals & equipment, disposal of laboratory wastes. Sampling and sample preparation for chemical analysis.


12. Laboratory Diagnostic Techniques – II
Collection, preservation & dispatch of various materials for parasitological examination – Skin scrapings, etc.


15. Livestock Farm Management:
Livestock farming vs mixed farming, record keeping, farm inventory marketing of Livestock & Livestock products, distribution channels, organisation of co-operative societies.


17. Basics of Pet & Zoo animals management:
Common pet animals and their utility, common breeds of dogs, handling & restraining of pet animals. Feeding & Management of dogs, important zoo animals - care, management & health cover of zoo animals. Vaccination schedule, deworming – administration of medicines in different routes in dogs and cats

