RAJASTHAN PUBLIC SERVICE COMMISSION
SYLLABUS FOR SCREENING TEST FOR THE POST OF VETERINARY OFFICER
ANIMAL HUSBANDARY DEPARTMENT

PART-A
(General Knowledge of Rajasthan)


Geography of Rajasthan : Broad physical features- Mountains, Plateaus, Plains & Desert; Major rivers and lakes; Climate, Major soil types and distribution; Major forest types and distribution; Demographic characteristics; Dairy farming, Desertification, Droughts & Floods, Deforestation.

Inhabitation and home tract of different breeds of livestock in Rajasthan. Animal fairs of Rajasthan. Common wild life species found in Rajasthan and places for their conservation.

-50 Questions

Unit-I


Unit-II
Evolution of veterinary and animal husbandry extension in India. Concept of sociology, social change and factors of change. Social groups, its types and functions. Difference in livestock production practices of rural, urban and tribal communities. Concept of community development. Role of animals in economy, health and socio psychology of different societies. Various types of farming in rural India with respect to livestock production. Animal husbandry programme, planning and evaluation. Various animal husbandry extension programs in India.

**Unit-III**

**Unit-IV**
General Principle of milk, meat, environment and environmental hygiene, food safety and public health. Veterinary epidemiology and zoonoses of various common diseases including new, emerging, re-emerging and occupational zoonoses.

**Unit-V**
Pharmacology of drugs acting on various body systems and pathogens along with veterinary neuropharmacology and chemotherapy. Study of fundamentals of toxicology, diagnosis and treatment of various toxicities.

**Unit-VI**
Study of various pathogenic bacteria and fungi, their morphology, isolation, growth, pathogenicity and diagnosis of various bacterial and fungal diseases of animals. Classification and characteristics of various DNA and RNA viruses causing diseases in livestock and poultry, laboratory diagnostics techniques.

**Unit-VII**

**Unit-VIII**

Pathogenesis, gross and microscopic pathology of various bacterial, viral, fungal and parasitic diseases of animals and poultry. Pathological changes in nutritional and metabolic diseases. Pathogenesis, gross and microscopic pathology of heavy metal toxicities.

Unit-IX

Concept of animal diseases, methods of clinical examination of various body parts of individual animals. Aetiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention and control of diseases:

1. General and systemic diseases of domestic animals and poultry. Diseases of digestive system, respiratory system, cardiovascular system, uro-genital system, lymphatic system, emergency medicine and critical care.

Unit-X

Basic principles of surgery, preparation of operation theatre, operative sites and instruments for surgery. Types of wounds and fractures and their correction in domestic animals. Types of suture materials and their use. Surgical procedures for abscess, hematoma, cysts, tumors, necroses, and treatment of burns. Common anesthesia and anesthetic techniques used in domestic animals. Chemical restraint of domestic animals. Types of lameness in domestic animals and their correction. Common surgical problems and their surgical correction in domestic animals (example: debudding, horn cancer, tail gangrene, paraphimosis, dermoid cyst, hoof trimming, preparation of teaser, ovario-hysterectomy rumenotomy, atreria ani, repair of hernia etc.). Advances in surgery-intramedullary pinning, laparoscopic surgery.

Unit-XI


-100 Questions

Pattern of Question Papers:
1. Objective Type Paper.
2. Maximum Marks : 300
3. Number of Questions : 150
4. Duration of Paper : Three Hours
5. All Questions carry equal marks.
6. There will be Negative Marking.