1. ORGANIZATION

A. The Department comprises of three (3) sections:
   i. Veterinary Pathology
   ii. Veterinary Microbiology
   iii. Veterinary Parasitology

B. The Department has a dedicated staff of 47 members comprising of 22 Academicians (5 Professors, 3 Associate Professors, 7 Senior Lecturers, 5 Lecturers & 2 Tutorial Fellows), 1 Chief Technologist, 21 Technologists, 1 Secretary, 1 Cleaner and 1 Driver.

2. ACTIVITIES OF THE DEPARTMENT

The Department is involved in teaching and training, diagnostic services, research activity and other specialized services. In addition, continuing professional education and development is an important activity of the Department.

A. Teaching / Training

i. Undergraduate Training
The Department offers the following units and courses to students undertaking Diploma and Degree programmes in the Faculty of Veterinary Medicine.
   1. Pathology (General & Systemic Pathology, Special Pathology, Clinical Pathology, and Diagnostic Pathology)
   2. Microbiology (Bacteriology, Virology, Mycology, and Immunology)
   3. Parasitology (Helminthology, Protozoology and Entomology)
   4. Final Year Undergraduate Research Project

ii. Postgraduate Training

1. Master of Science (MSc) Programmes:
   MSc in Veterinary Pathology and Microbiology
   MSc in Applied Parasitology
   MSc in Clinical Pathology and Laboratory Diagnosis
   MSc in Veterinary Pathology and Diagnostics
   MSc in Applied Microbiology
   MSc in Fish Science

2. Doctor of Philosophy (PhD) Programmes:
   For all programmes offered at MSc level.
iii. Attachments
- Industrial attachment for polytechnic and college students from public and private institutions
- Short-term guided attachment for diagnosticians from public and private institutions
- Short-term training visits for Technical & Vocational Education and Training (TVET) Institutions such as Kabete Technical Training Institute, Thika Technical Training Institute, AHITI Ndomba, etc.

B. Diagnostic Services

i. Routine Diagnostic Services:
- Disease diagnosis in domestic and wild animals (mammals, birds, reptiles, fish and other aquatic animals)
- Sample analysis (Bacterial, Viral, Chlamydial, Rickettsial, Fungal, Parasitic):
  - Isolation
  - Characterisation
  - Drug Sensitivity
  - Serology
  - Biochemistry
- Evaluation of medicinal plants for bioactivity

ii. Collaborative Diagnostic Services:
- Mycotoxin analyses in feeds, food or animal tissues
  - A rapid and relatively inexpensive immunological (ELISA) test for the detection of aflatoxins in food, feeds, blood and tissues has been developed and validated in the Department

C. Research
Problem oriented research geared towards disease diagnosis, treatment, prevention and control is also carried out in the Department. Research is carried out at two levels:
- Postgraduate research e.g. PhD and MSc students
- Short- and Long-term research by academic staff

D. Specialised Services
The Department has diversified into various special services to stakeholders. These services include:

i. Poultry Clinic and Consultancy Services
This service is available to poultry farmers in Nairobi and its environs.
ii. **Preparation of Culture Media and Reagents**
   The Department prepares, on order, ready-to-use laboratory culture media (e.g. Blood Agar, MacConkey Agar, etc.) and reagents to support other institutions.

iii. **Preservation of Mounted Specimens**
   The Department prepares and preserves museum specimen and slides of animal tissues, bacteria and parasites. These are useful teaching aids in schools (for Biology/Agriculture) and Medical-related colleges.

iv. **Postmortem Diagnosis of Clinical Cases**
   The Department has qualified pathologists who provide thorough postmortem diagnostic services.

v. **Histopathology for Biopsies and Tissue Specimen**
   The Department offers valuable diagnostic histopathology services to clinicians, researchers and other institutions.

E. **Continuing Education**
   The Department offers continuous development courses to Veterinary Surgeons and Paraprofessionals. These courses are sanctioned by the Kenya Veterinary Board.

3. **FACILITIES**
   The infrastructure for teaching and diagnostic services in Pathology, Microbiology and Parasitology includes:
   - Large laboratories for practical sessions
   - Rich collection of disease specimen in the pathology museum for demonstration to students
   - Electron microscope and modern light microscopy connected to a closed-circuit television system for practical demonstrations in histopathology and parasitology
   - Autopsy halls for large and small animals
   - Poultry Clinic, Consultancy and Diagnostic Laboratory
   - Animal experiment facilities
   - A large lecture theatre with a sitting capacity of 100 and a smaller one with sitting capacity of 30

**CONTACT:**
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