



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2009/2010
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE
SZL 517: ENTOMOLOGICAL TECHNIQUES

=====

DATE: MONDAY 12TH APRIL 2010

TIME: 9.00 A.M. – 12.00 NOON

INSTRUCTIONS

Answer any FOUR Questions.

Illustrate your answers with diagrams and give examples where appropriate.

1. Explain the basic principle and application of DNA probes and ELISA techniques in entomology.
2. Describe the diversity of slide preparation and staining methods for the diagnosis of pathogens and body fluids.
3. Write an essay on fluorescent microscopy.
4. Give an account of the Polymerase Chain Reaction (PCR) technique indicating its application in medical entomology.
5. Write a concise essay on electrophoresis and how they interphase with molecular biology techniques.