



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
MASTER OF SCIENCE

SZL 511: APPLIED MEDICAL ENTOMOLOGY

DATE: Monday, 28th November, 2011

TIME: 9.00 – 12.00 noon

INSTRUCTIONS:

- Answer any **FOUR** questions,
- Illustrate your answers with diagrams and give examples where appropriate.

- Q.1) Describe the morphological diversity of mouth parts in insects and their role in feeding.
- Q.2) Describe in detail the structure and functions of the integument in arthropods.
- Q.3) Explain the principles and application of DNA probes, isoenzymes, cytotaxonomy and cuticular hydrocarbons in identification studies of closely related insect species.
- Q.4) Describe the diversity of insect wings pointing out their functions.
- Q.5) Write an essay on the morphology and functional correlates of the insect alimentary canal.
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