



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

INSTITUTE OF OPEN LEARNING EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SZL 404: INTEGRATED PEST AND VECTOR MANAGEMENT

DATE: Friday 23rd July, 2010

TIME: 8.00 a.m. – 10.00 a.m.

INSTRUCTIONS

Answer ALL questions in Section A and ONE question in Section B. Within a Section all questions carry equal marks. Illustrate your answers with diagrams and give examples wherever appropriate.

SECTION A – Answer ALL questions in this Section – (40 marks)

1. Explain the effects of sterilization in insects.
2. Giving a specific example, state the steps taken when establishing a biological control program.
3. State the damage caused on pigeon pea by a named pest.
4. Give an outline of the basis of genetic host plant resistance.
5. Outline the damage caused on coffee by a named major pest.
6. Explain how napier grass and desmodium weed can be used to control insect pests.
7. Define economic injury level and state how it is determined.
8. State the advantages of microbial agents in the control of insects.

SECTION B – Answer any ONE question in this Section. - (30 marks)

9. Give an account of the biology, ecology, damage caused on tomato and the factors which are associated with the management of the cotton whitefly, bemisia tabaci.
10. Discuss the problems associated with a named pest in the production of bananas.

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