



2ND SEMESTER 2004/2005

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: DIPLOMA IN AGRICULTURE YEAR 2
DIPLOMA IN AGRICULTURAL EDUCATION
YEAR 2

COURSE CODE: CP 204

TITLE OF PAPER: CROP PESTS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS:

- 1. THIS PAPER HAS TWO SECTIONS (A AND B)**
- 2. ANSWER QUESTION 1 FROM SECTION A (COMPULSORY) AND ANY OTHER THREE (3) QUESTIONS FROM SECTION B**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED
BY THE CHIEF INVIGILATOR**

SECTION A (Compulsory)

QUESTION 1

Draw a table similar to the one shown below in your answer booklet. For each of the insect orders indicated, give 5 (FIVE) examples of pests and crops damaged.

Order	Pest	Crop
Coleoptera		
Lepidoptera		
Homoptera		
Acari		

[Total marks = 40]

SECTION B

Answer any 3 (THREE) questions from this section.

QUESTION 2

Using named examples, discuss how pests destroy or damage growing crops or valuable plants.

[Total marks = 20]

QUESTION 3

Differentiate between the following:

- i. Pest resurgence and pest resistance (10 marks)
- ii. Sporadic pest and potential pest (5 marks)
- iii. Pest suppression and eradication (5 marks)

[Total marks = 20]

QUESTION 4

Briefly describe control options for each of the following pests:

- i. Red scale (5 marks)
- ii. Cutworms (5 marks)
- iii. Larger grain borer (5 marks)
- iv. Maize stalkborer (5 marks)

[Total marks = 20]

QUESTION 5

- i. Name factors that can cause pesticide applications to fail in pest control. (10 marks)
- ii. Briefly discuss the use of natural enemies in pest control. (10 marks)

[Total marks = 20]

QUESTION 6

Discuss why each of the following is economically important in agriculture:

- i. Pugnacious ant (4 marks)
- ii. Striga (4 marks)
- iii. Nematodes (4 marks)
- iv. Leafhoppers (4 marks)
- v. *Bacillus thuringiensis* (4 marks)

[Total marks = 20]