



2<sup>nd</sup> SEMESTER 2005/2006

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE YEAR 5  
(HORTICULTURE OPTION)

COURSE CODE: HORT 507

TITLE OF PAPER: HORTICULTURAL CROP PROTECTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3)  
QUESTIONS  
BEGIN EACH QUESTION ON A NEW SHEET

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

**QUESTION 1**

**(This question is compulsory)**

I) a) Name the most important pests of each of the following horticultural crops:

- i) Lettuce
- ii) Carrots
- iii) Citrus
- iv) Banana
- v) Cauliflower

b) Describe the features used to identify each of the pests.

c) What damage does each pest cause?

**[13 Marks]**

II) Name 3 bacterial and 3 fungal diseases on tomatoes in Swaziland, also name the causal agents.

**[12 Marks]**

**QUESTION 2**

What is the meaning of "Physical and Mechanical Pest Control"? Explain how this control method is used in horticulture, giving specific examples to illustrate each point you make. **[25 Marks]**

**QUESTION 3**

Discuss the use of legislative pest control making special reference to horticultural crop production. **[25 Marks]**

**QUESTION 4**

Discuss the pros and cons of biological control in vegetable production as opposed to its use in fruit production. **[25 Marks]**

**QUESTION 5**

Discuss how Integrated Pest Management (IPM) is absolutely vital for horticultural crop production. **[25 Marks]**