



2nd SEM. 2007/2008

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

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

COURSE CODE: HORT 506

**TITLE OF PAPER: POST-HARVEST PHYSIOLOGY OF
HORTICULTURAL CROPS**

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

The surrounding environment influences the deterioration of harvested horticultural crops. Discuss this statement. Give examples.

[25 marks]

QUESTION 2

- a) Discuss advantages and disadvantages of hand harvesting. [12 marks]
b) Using examples describe climacteric and non-climacteric ripening of fruits. [13 marks]

[25 marks]

QUESTION 3

Describe the use of controlled atmosphere (CA) storage of horticultural crops.

[25 marks]

QUESTION 4

Discuss the effects of ethylene (C_2H_4) on harvested horticultural crops.

[25 marks]

QUESTION 5

Discuss control of deterioration in harvested horticultural crops.

[25 marks]