



2ND SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR V [HORTICULTURE OPTION]**

COURSE CODE: HORT 506

**TITLE OF PAPER: POSTHARVEST PHYSIOLOGY OF
HORTICULTURAL CROPS**

TIME ALLOWED: TWO [2] HOURS]

**INSTRUCTION: ANSWER THREE [3] QUESTIONS INCLUDING
QUESTION ONE [1] WHICH IS COMPULSORY
AND ANY OTHER TWO [2] QUESTIONS**

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

QUESTION 1 [COMPULSORY]

Using relevant examples, wherever possible, discuss the role of plant growth regulators in postharvest physiology of some named fruits and vegetables.

[40 marks]

QUESTION 2

Provide a detailed discussion on the influence of pre-harvest management on the quality of some named horticultural produce.

[30 marks]

QUESTION 3

Manipulating the storage environment is useful in procurement of the quality of fresh horticultural products. Discuss.

[30 marks]

QUESTION 4

Discuss the role of calcium (Ca) in the postharvest physiology of some named fruit crops.

[30 marks]