



1st SEMESTER 2009/2010

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE YEAR IV

COURSE CODE: HORT 405

TITLE OF PAPER: TEMPERATE FRUIT AND NUT PRODUCTION

TIME ALLOWED: TWO [2] HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**QUESTION 1**

In your practical class, you were assigned a responsibility to plant some bare root and temperate fruit seedlings. Describe how you accomplished this task.

[25 marks]**QUESTION 2**

- (a) Discuss the roles of phytohormones in blossom thinning of fruit crops (10 marks)
- (b) 'MaxCel' is a plant growth regulator product known to have beneficial attributes in pears and apples. List these benefits (15 marks)

[25 marks]**QUESTION 3**

The pear (*Pyrus communis*.) is widely consumed in Swaziland although not widely cultivated. What production techniques may assist a farmer who may be interested in largescale cultivation of the crop?

[25 marks]**QUESTION 4**

Pecan nut is a popular tree nut that has not gained wide cultivation in Swaziland. Provide some cultural facts that may help enhance the production of this economically important crop.

[25 marks]**QUESTION 5**

With the aid of diagrams, describe the systems used in 'trellising' of the grapevine as an important factor in grape (*Vitis vinifera* L) yield and quality determination.

[25 marks]