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1ST SEM. 2010/2011

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY
YEAR 4 AND BACHELOR OF SCIENCE IN
HORTICULTURE YEAR 4

COURSE CODE: HORT 402

TITLE OF PAPER: VEGETABLE PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

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BY THE CHIEF INVIGILATOR**

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

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Question 1

- a) Explain why scientific classification is more useful than horticultural classification. [10 marks]
- b) Discuss five (5) ways in which vegetables are important to the Kingdom of Swaziland. [20 marks]

[25 marks]

Question 2

- a) Describe five (5) factors affecting bulbing in onion (*Allium cepa*) [15marks]
- b) Discuss the propagation of sweet potato production. [10 marks]

[25 marks]

Question 3

- a) Describe factors affecting tuber formation in white/Irish potato (*Solanum tuberosum*) [10 marks]
- b) Describe physical and chemical characteristics of three named indigenous vegetables in Swaziland [15 marks]

[25 marks]

Question 4

Describe five physiological disorders of tomato (*Solanum lycopersicon*) fruit and possible ways of their control

[25 marks]

Question 5

- a) Describe isolation requirements of sweet corn (*Zea mays*) production [5 marks]
- b) Describe agro-climatological requirements needed for successful okra (*Abelmoschus esculentus*) production [20 marks]

[25 marks]