



2ND SEM. 2009/2010

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY
YEAR 2 AND BACHELOR OF SCIENCE IN
HORTICULTURE YEAR 2

COURSE CODE: HORT 203

TITLE OF PAPER: VEGETABLE PRODUCTION

TIME ALLOWED: THREE (3) HOURS

INSTRUCTION: ANSWER ANY FIVE (5) QUESTIONS

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BY THE CHIEF INVIGILATOR**

INSTRUCTION: ANSWER ANY FIVE (5) QUESTIONS

Question 1

- a) Describe five ways in which vegetables are important to your country [10 marks]
- b) Scientific classification is more useful than horticultural classification. Discuss this statement [10 marks]

[20 marks]

Question 2

- a) Describe five ways in which legume vegetables are important [10 marks]
- b) Discuss factors that affect tuber formation in potato (*Solanum tuberosum*) [10 marks]

[20 marks]

Question 3

- a) Describe physical and chemical characteristics of any three named traditional/indigenous vegetables of importance to Southern Africa and their role in HIV and AIDS mitigation [10 marks]
- b) Discuss the climatic requirements of carrot (*Dacus carota*) production

[10 marks]

[20 marks]

Question 4

Describe five physiological disorders of Brassicas or Cole crops and suggest how each disorder can be overcome

[20 marks]

Question 5

- a) Describe the physiology of garlic (*Allium sativum*) bulbing [10marks]
- b) Describe climatic and cultural requirements for successful production of tomato in Swaziland [10 marks]

[20 marks]

Question 6

Describe climatic requirements of:

- i) baby marrow
- ii) baby corn

[10marks]

[10 marks]

[20 marks]