



2ND SEM. 2012/2013

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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: TWO (2) HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

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BY THE CHIEF INVIGILATOR**

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

Question 1

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

Question 2

- a) Describe **five (5)** ways in which legume vegetables are important [15 marks]
- b) Discuss the factors that affect tuber formation in potato (*Solanum tuberosum*)
[10 marks]
- [25 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 [15 marks]
- b) Discuss the climatic requirements of carrot (*Dacus carota*) production
[10 marks]
- [25 marks]**

Question 4

Describe **five (5)** physiological disorders of a given Solanaceous crop and suggest how each disorder can be overcome

[25 marks]

Question 5

- a) Describe the physiology of onion (*Allium cepa*) bulbing [15marks]
 - b) Describe the climatic and cultural requirements for successful production of pepper in Swaziland [10 marks]
- [25 marks]**