



2ND SEM. 2015/2016

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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 international than horticultural classification. Discuss this statement. [10 marks]

[25 marks]**Question 2**

- a) Describe five ways in which legume vegetables are important. [15 marks]
- b) Discuss 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 Swaziland and their role in HIV and AIDS mitigation. [15 marks]
- b) Discuss the climatic requirements of beet root (*Beta vulgaris var hortensis*) production. [10 marks]

[25 marks]**Question 4**

Describe five physiological disorders of tomato (*Solanum esculentum*) 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 climatic and cultural requirements for successful production of pepper in Swaziland [10 marks]

[25 marks]