



2ND SEM. 2011/2012

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMMES: 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) Define a vegetable and give four (4) non-nutritional importance of vegetables to your country [5 marks]
 - b) Discuss five (5) ways in which vegetables contribute to human nutrition [20 marks]
- [25 marks]**

QUESTION 2

- a) List five (5) important vegetables derived from the Brassica (Crucifera) family [5marks]
 - b) Describe five (5) physiological disorders affecting Brassica vegetables and in each case suggest a way of alleviating the disorder [20 marks]
- [25 marks]**

QUESTION 3

- a) Describe the morphology of onion (*Allium cepa*) [6 marks]
 - b) Discuss factors affecting bulbing in onion [19 marks]
- [25 marks]**

QUESTION 4

- a) Describe the propagation of:
 - (i) garlic (*Allium sativum*) [5 marks]
 - (ii) sweetpotato (*Ipomoea batatas*) [5 marks]
 - (iii) baby carrot (*Dacus carrota*) [5 marks]
 - b) Discuss physical and chemical characteristics of any three (3) traditional vegetables used in Southern Africa [10 marks]
- [25 marks]**

QUESTION 5

- a) Describe harvesting of baby marrow and its storage requirements [5 marks]
- b) Describe four main species of pumpkin and squash [8 marks]
- c) Describe any three (3) ways in which legume vegetables are important [6 marks]
- d) Describe three (3) important factors that influence the production of potato
(*Solanum tuberosum*) [6 marks]
- [25 marks]