



1ST SEM. 2011/2012

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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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THE CHIEF INVIGILATOR**

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS**Question 1**

- a) List five important non-nutritional uses 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) Describe isolation requirements in sweet corn production [5 marks]
- b) Describe five (5) physiological disorders affecting tomato fruit and in each case suggest a way of alleviating the disorder [20 marks]
- [25 marks]

Question 3

Discuss five factors that affect bulbing in onion and garlic [25 marks]

Question 4

- a) Describe the propagation of:
- (i) asparagus (*Asparagus officinalis*) [5 marks]
 - (ii) sweetpotato (*Ipomoea batatas*) [5 marks]
 - (iii) taro (*Colocasia cesculenta*) [5 marks]
- b) Discuss physical and chemical characteristics of any three (3) traditional vegetables used in Swaziland [10 marks]
- [25 marks]

Question 5

Describe five physiological disorders of Cole/Brassica crops [25 marks]