



1ST SEM. 2010/2011

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE
YEAR II**

COURSE CODE: HORT 201

TITLE OF PAPER: PRINCIPLES OF HORTICULTURE

TIME ALLOWED: TWO [2] HOURS

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS. ANSWER ANY
TWO (2) QUESTIONS FROM EACH SECTION ON
SEPARATE BOOKLETS**

**DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE
INVIGILATOR**

SECTION A

QUESTION 1

- a) In line with the mandate as prescribed in the enabling Act No.13 of 1985, outline NAMBoard's core activities (6 marks)
- b) List the projects that 'The Farm Support and Development Unit' (FSDU) has set up for the benefit of Swazi farmers (5 marks)
- c) The pack house facility plays an important role in the baby vegetable production process. Identify the baby vegetable products that are handled at this facility. (14 marks)

[25 marks]

QUESTION 2

Horticultural crops may be sown in a nursery and transplanted into the field or sown directly into a permanent site.

- a) List four attributes of good seed (4 marks)
- b) Discuss the general features of a nursery (16 marks)
- b) Discuss the disadvantages of transplanting (5 marks)

[25 marks]

QUESTION 3

- a) What are Free Trade Agreements (FTAs)? (5 marks)
- b) Outline the benefits of FTA agreements to the host nation (4 marks)
- c) Discuss the purposes of FTAs (16 marks)

[25 marks]

SECTION B

QUESTION 4

Discuss the horticultural production systems.

[25 marks]

QUESTION 5

- a) What is compost? (5 marks)
- b) What are the benefits of using compost in horticultural production? (8 marks)
- c) Describe the various ways of making compost. (12 marks)

[25 marks]

QUESTION 6

Write short notes on the following:

- a) Mulching (5 marks)
- b) Constraints to improved weed management in Horticulture (5 marks)
- c) Crop rotation (5 marks)
- d) Physiological responses to pruning (5 marks)
- e) Nursery industry (5 marks)

[25 marks]