



2ND SEM. 2011/2012

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE
YEAR 4**

COURSE CODE: HORT 405/HORT 411

TITLE OF PAPER: ORGANIC FARMING

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 with examples the concept of good agricultural practices (GAPs) [15 marks]
- b) Discuss GAPs related to soil [10 marks]
- [25 marks]

QUESTION 2

Describe the following pertaining to organic farming:

- (i) soil conservation [5 marks]
- (ii) standards [5 marks]
- (iii) pesticides [5 marks]
- (iv) genetically modified organism (GMOs) [5 marks]
- (v) food quality [5 marks]

[25 marks]

QUESTION 3

Describe the following phases of composting:

- (i) heat phase [15 marks]
- (ii) cooling down phase [5 marks]
- (iii) maturation phase [5 marks]

[25 marks]

QUESTION 4

- a) Discuss three reasons for soil sickness [10 marks]
- b) Describe five sources of organic fertilizers [15 marks]

[25 marks]

QUESTION 5

Biological control of insect pests, disease, nematodes and weeds is a paradigm in organic agriculture. Discuss with examples this statement [25 marks]

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