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2ND SEM. 2009/2010

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

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

COURSE CODE: 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**

1a) 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) history [5 marks]

(ii) standards [5 marks]

(iii) pesticides [5 marks]

(iv) genetically modified organism(GMOs) [5 marks]

(v) economics [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) Distinguish synthetic mulches from organic mulches
[5 marks]
- b) Discuss the following pertaining to horticultural production:
- (i) organic mulches [10 marks]
 - (ii) organic manures [10 marks]
- [25 marks]

QUESTION 5

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

[25 marks]