



2ND SEM. 2012/2013

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

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

COURSE CODE: HORT 405

TITLE OF PAPER: ORGANIC FARMING

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED
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 water [10 marks]
- [25 marks]**

QUESTION 2

Describe the following pertaining to organic farming:

- (i) history [5 marks]
- (ii) standards [5 marks]
- (iii) methods [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

Discuss **five (5)** potential benefits of conservation agriculture (CA)

[25 marks]

QUESTION 5

Integrated pest management (IPM) is a serious step in crop protection leading to organic farming. Discuss with examples, this statement.

[25 marks]