



1ST SEM. 2013/2014

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

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

COURSE CODE: HORT 402

**TITLE OF PAPER: HERBS, SPICES AND TRADITIONAL
VEGETABLES**

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) Discuss spices from a historical perspective [15 marks]
b) List five spice plants and describe the part that is used for each spice [10 marks]
- [25 marks]**

QUESTION 2

Describe the control of five insect pests using herbs and spices.

[25 marks]

QUESTION 3

Describe the growing and use of the following herbs:

- (i) African wormwood (*Artemisia afra*) [13 marks]
(ii) Lavender (*Lavandula officinalis*) [12 marks]
- [25 marks]**

QUESTION 4

- a) Describe briefly what essential oils and oil resins are [10 marks]
b) Discuss three important uses of spices [15 marks]
- [25 marks]**

QUESTION 5

Describe physical appearance, production and use of the following traditional vegetables:

- (i) *Amaranthus hybridus* [9 marks]
(ii) *Bidens pilosa* [8 marks]
(iii) *Corchorus olitorius* [8 marks]
- [25 marks]**