



1ST SEM. 2018/2019

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UNIVERSITY OF ESWATINI

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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BY 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 consumed 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) Lemon grass (*Cymbopogon citratus*) [12 marks]

[25 marks]

QUESTION 4

- a) Describe briefly what are essential oils and oil resins [10 marks]
 - b) Briefly 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) *Colocasia esculenta* [8 marks]
- (iii) *Corchorus olitorius* [8 marks]

[25 marks]