



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 410

TITLE OF PAPER: HERBS AND SPICES

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

Describe propagation of herbs and spices by :

- | | |
|----------------------------|-----------|
| (i) seed | [6 marks] |
| (ii) cuttings | [6 marks] |
| (iii) grafting and budding | [7 marks] |
| (iv) tissue culture | [6 marks] |

[25 marks]

QUESTION 2

Describe the control of diseases and insects pests using herbs and spices.

[25 marks]

QUESTION 3

Describe the growing and use of the following herbs:

- | | |
|---|------------|
| (i) basil (<i>Ocimum basilicum</i>) | [13 marks] |
| (ii) fennel (<i>Foeniculum vulgare</i>) | [12 marks] |

[25 marks]

QUESTION 4

Describe harvesting methods of the following:

- | | |
|----------------|-----------|
| (i) pepper | [5 marks] |
| (ii) vanilla | [5 marks] |
| (iii) cinnamon | [5 marks] |
| (iv) nutmeg | [5 marks] |
| (v) ginger | [5 marks] |

[25 marks]

QUESTION 5

Discuss five herbs used to alleviate disease symptoms.

[25 marks]