



**2<sup>ND</sup> SEM. 2010/2011**

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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) layering [7 marks]
- (iv) tissue culture [6 marks]

**[25 marks]**

**QUESTION 2**

Describe five herbs used to alleviate disease symptoms of humans

**[25 marks]**

**QUESTION 3**

Describe the growing and use of the following herbs:

- (i) ginger (*Zingiber officinalis*) [13 marks]
- (ii) lemongrass (*Cymbopogon citratus*) [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 control common pests of horticultural crops

**[25 marks]**