



**1<sup>ST</sup> SEM 2009/2010**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE: HORT 201**

**TITLE OF PAPER: PRINCIPLES OF HORTICULTURE**

**TIME ALLOWED: TWO [2] HOURS**

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR**

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS**

**QUESTION 1**

Discuss the history and career opportunities in the horticulture industry.

**[25 marks]**

**QUESTION 2**

- a) What is EURAGAP? (5 marks)
- b) Why is EURAPGAP important to the horticulture industry in Swaziland and internationally? (20 marks)

**[25 marks]**

**QUESTION 3**

The advances made in the horticulture industry in Swaziland will depend on the quality of activities of the national agricultural marketing board (NAMBOARD). Discuss this statement.

**[25 marks]**

**QUESTION 4**

Discuss the roles of the following sectors in the development of the horticulture industry in Swaziland:

- a) Ministry of Agriculture and Cooperatives (MOAC) (9 marks)
- b) World Vision (8 marks)
- c) University of Swaziland (UNISWA) (8 marks)

**[25 marks]**

**QUESTION 5**

Demonstrate your knowledge of crop adaptation to growing temperature by placing the vegetable crops given below in their appropriate adaptation column in the accompanying table:

Cool season crops		Warm season crops	
Tender	Very tender	Tender	Very tender

Vegetable species to be classified:

- i) broccoli
- ii) cabbage
- iii) garlic
- iv) onion
- v) radish
- vi) peas
- vii) beetroot
- viii) Carrot
- ix) Celery
- x) Swiss chard
- xi) Lettuce
- xii) Irish potato
- xiii) Cowpea
- xiv) Sweet corn
- xv) Tomato
- xvi) Cucumber
- xvii) Eggplant
- xviii) Okra
- xix) Pumpkin
- xx) Squash
- xxi) Sweet potato
- xxii) Watermelon
- xxiii) Pepper
- xxiv) Cauliflower
- xxv) Kale