



**1<sup>ST</sup> SEM. 2007/2008**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE: HORT 401**

**TITLE OF PAPER: GREENHOUSE MANAGEMENT AND UTILISATION**

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

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

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

**QUESTION 1**

The Minister of Enterprise and Employment has requested you to deliver a seminar to a group of entrepreneurs who are desirous of venturing into the "greenhouse business". How would you accomplish this task?

**[25 marks]**

**QUESTION 2**

Environmental control is of paramount importance in greenhouse management. Discuss the importance of lighting in the greenhouse.

**[25 marks]**

**QUESTION 3**

Discuss how different plants respond to the colour of plastic mulch used in a greenhouse.

**[25 marks]**

**QUESTION 4**

The quantity and quality of irrigation water are important in horticulture. Outline the advantages that drip irrigation systems have provided in this context.

**[25 marks]**

**QUESTION 5**

Pest control poses a major challenge in greenhouses, particularly in organic greenhouse production. Using appropriate examples, discuss the value of 'companion planting' in organic greenhouse production.

**[25 marks]**