



**2<sup>nd</sup> SEMESTER 2010/2011**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE: HORT 302**

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

**TIME ALLOWED: TWO (2) HOURS**

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

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CHIEF INVIGILATOR**

ANSWER ANY FOUR (4) QUESTIONS

**Question 1**

- (a) What factors are considered when choosing a covering material for a greenhouse? [9 marks]
- (b) Discuss the characteristics of the following covering materials:
- (i) Glass [8 marks]
  - (ii) Polythene film plastic. [8 marks]
- [25 marks]

**Question 2**

Describe the following:

- (a) Bench arrangement in a greenhouse [9 marks]
  - (b) Lamp types for greenhouse lighting [8 marks]
  - (c) Uses of a greenhouse. [8 marks]
- [25 marks]

**Question 3**

Describe the maintenance operations you will employ as the manager of AMAZING SIBUSISO GREENHOUSE Inc.

[25 marks]

**Question 4**

What factors will guide the choice of an area for a greenhouse enterprise?

[25 marks]

**Question 5**

- (a) Describe how to identify the nutritional problems associated with greenhouse crops? [10 marks]
- (b) Describe any 2 nutritional deficiency symptoms associated with macro-, secondary- and micro-nutrients. [15 marks]
- [25 marks]