



1ST SEMESTER 2009/2010

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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
UTILIZATION**

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

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

ANSWER ANY FOUR (4) QUESTIONS

Question 1

- (a) What factors are considered when choosing a glazing material for a greenhouse? [9 marks]
- (b) Discuss the characteristics of the following glazing 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]