



2ND SEM. 2008/2009

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

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

COURSE CODE: HORT 202

TITLE OF PAPER: PLANT PROPAGATION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

- (a) Describe seven (7) characteristics of a good propagation medium [7]
 - (b) Describe the use of cold beds in plant propagation [8]
 - (c) Describe the heat treatment of growing media [10]
- [25]

QUESTION 2

- (a) Discuss the various types of seed dormancy [15]
 - (b) Discuss seed scarification [10]
- [25]

QUESTION 3

- (a) Discuss chimeras and their importance in horticultural plants [10]
 - (b) Discuss adventitious root formation in vegetative cuttings [15]
- [25]

QUESTION 4

- (a) Discuss graft incompatibility [10]
 - (b) Describe the T-budding technique [10]
 - (c) Describe the splice grafting technique [5]
- [25]

QUESTION 5

- (a) Describe compound or serpentine layering [5]
 - (b) Discuss plant propagation by air layering [20]
- [25]