



1ST SEMESTER 2013/2014

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE
YEAR 2**

COURSE CODE: HORT 202

**TITLE OF PAPER: PLANT PROPAGATION AND NURSERY
MANAGEMENT**

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**

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

- (a) Describe the construction and uses of cold frames [5]
- (b) Describe the use of the following in chemical soil treatment:
- (i) methyl bromide [5]
 - (ii) chloropicrin [5]
- (c) Describe the preparation of medium mixtures for use in plant propagation [10]

[25]

QUESTION 2

- (a) Discuss the physical seed dormancy [13]
- (b) Discuss graft incompatibility [12]

[25]

QUESTION 3

- (a) Describe propagation of plants by hard wood cuttings [15]
- (b) Describe the stages in the formation of graft/bud union [10]

[25]

QUESTION 4

- (a) Discuss the role of a nursery manager in respect to employee motivation, evaluation and reward [15]
- (b) Describe an inventory of nursery equipment [10]
- [25]

QUESTION 5

- (a) Explain how soil influences selection of a nursery site [13]
- (b) Describe the harvesting of balled and burlapped plant materials [7]
- (c) Describe pest management in nursery production [5]
- [25]