



1ST SEMESTER 2014/2015

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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

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CHIEF INVIGILATOR**

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

Describe the design, construction and use of the following structures:

(i) hot beds [15]

(ii) lath houses [10]

[25]

QUESTION 2

(a) Discuss the heat treatment of soil for use in plant propagation [15]

(b) Describe the use of the following in plant propagation:

(i) flats and trays [5]

(ii) polyethylene bags [5]

[25]

QUESTION 3

(a) Explain how you would induce graft chimera in horticultural crops [10]

(b) Describe plant propagation by use of leaf cuttings in sansevieria [5]

(c) Describe plant propagation by use of root cuttings [5]

(d) Describe the methods used in hardening of rooted cuttings [5]

[25]

QUESTION 4

- (a) Describe nursery ownership by:
 - (i) partnership [5]
 - (ii) corporation [5]
 - (b) Explain how you would undertake nursery plants inventory [15]
- [25]

QUESTION 5

- (a) Discuss management of diseases in nursery production [20]
 - (b) Describe harvesting of bare root nursery stock [5]
- [25]