

7



1ST SEMESTER 2010/2011

PAGE 1 OF 3

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) Discuss the design, construction and use of lath houses in plant propagation [10]

(b) Describe the following propagation media:

(i) garden soil [10]

(ii) vermiculite [5]

[25]

QUESTION 2

(a) Explain the role of sanitation in plant propagation [5]

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

(i) flats and trays [5]

(ii) peat blocks [5]

(c) Describe propagation of Sansevieria by leaf cuttings [5]

(d) Describe plant propagation by root cuttings [5]

[25]

9

QUESTION 3

- (a) Describe periclinal chimera [5]
 - (b) Describe the process of wound root formation [10]
 - (c) Describe the effect of the following on rooting of stem cuttings:
 - (i) buds [5]
 - (ii) leaves [5]
- [25]

QUESTION 4

- (a) Discuss the role of a nursery manager in respect to determination of goals [15]
 - (b) Discuss nursery inventory of plant materials [10]
- [25]

QUESTION 5

- (a) Explain how soil influences selection of a nursery site [15]
 - (b) Describe the use of slow release fertilisers in nursery production [10]
- [25]