



SPECIAL PAPER 2020/2021

PAGE 1 OF 3

UNIVERSITY OF ESWATINI

SPECIAL ASSESSMENT PAPER

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

COURSE CODE: HRT203

**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

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) Discuss the physical seed dormancy [13]

(b) Discuss graft incompatibility [12]

[25]

QUESTION 4

- (a) Discuss the role of a nursery manager in respect to employee motivation,
evaluation and reward [12]
- (b) Discuss the effect of soil in nursery plant production [13]
- [25]

QUESTION 5

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

[25]