



**2<sup>ND</sup> SEMESTER 2018/2019**

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**UNIVERSITY OF ESWATINI  
FINAL EXAMINATION PAPER**

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

**COURSE CODE: HRT202**

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

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS**

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BY THE CHIEF INVIGILATOR**

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS**

**QUESTION 1**

(a) Describe the use of the following media in plant propagation:

i) peat moss. [5]

ii) rockwool. [5]

(b) Explain the process medium mixtures preparation. [15]

[25]

**QUESTION 2**

(a) Describe the steps in the formation of graft union. [10]

(b) Discuss graft incompatibility. [10]

(c) Explain the mechanisms used in the control of scion/rootstock on growth of rootstock/scion [5]

[25]

**QUESTION 3**

(a) Describe propagation of plants by hard wood cuttings. [15]

(b) Describe T-budding technique [10]

[25]

**QUESTION 4**

(a) Discuss the determination of goals as a major role of a nursery manager.

[15]

(b) Explain how labour influences the selection of a site for nursery establishment.

[10]

[25]

**QUESTION 5**

Discuss the major types of fertilisers used in nursery plant production.

[25]