



**1<sup>ST</sup> SEMESTER 2018/19**

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**UNIVERSITY OF ESWATINI  
FINAL EXAMINATION PAPER**

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

**COURSE CODE: HRT 101**

**TITLE OF PAPER: PRINCIPLES OF HORTICULTURE**

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

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

**DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR**

**QUESTION 1**

- a) Describe three (3) branches of horticulture. [5 marks]
- b) With the aid of examples discuss the classification of fruit trees based on climate adaptability. [10 marks]
- c) Briefly discuss the external factors influencing fruit set. [10 marks]

**[25 marks]**

**QUESTION 2**

- a) Briefly discuss the importance of horticulture to the environment. [5 marks]
- b) With the aid of examples, distinguish conventional and baby vegetables. [5 marks]
- c) Briefly discuss intensive cropping system and give examples. [15 marks]

**[25 marks]**

**QUESTION 3**

Discuss the concept of Good Agricultural Practices [GAP].

**[25 marks]**

**QUESTION 4**

Write short notes on the following:

- i. Crop rotation [5 marks]
- ii. Benefits of compost in horticulture [5 marks]
- iii. Nursery industry [5 marks]
- iv. Processing of horticultural crops [5 marks]
- v. Pruning [5 marks]

**[25 marks]**

**Question 5**

Discuss the factors that influence nutrient availability in vegetable crops.

**[25 marks]**