



| 2<sup>ND</sup> SEM. 2018/2019

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UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

PROGRAMME:

BACHELOR OF SCIENCE IN  
HORTICULTURE YEAR 2

COURSE CODE:

HRT204

TITLE OF PAPER:

VEGETABLE PRODUCTION

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) Discuss five site factors to consider when establishing a vegetable farm. [15 marks]
- b) Scientific classification is more international than horticultural classification. Discuss this statement. [10 marks]

[10 marks]

[25 marks]

**Question 2**

- a) Describe five ways in which legume vegetables are important. [15 marks]
- b) Discuss factors that affect tuber formation in potato (*Solanum tuberosum*). [10 marks]

[10 marks]

[25 marks]

**Question 3**

- a) Describe physical and chemical characteristics of any three named traditional/indigenous vegetables of importance to Eswatini and their role in HIV and AIDS mitigation [15 marks]
- b) Discuss the climatic requirements of Swiss chard (*Beta vulgaris var cicla*) production. [10 marks]

[10 marks]

[25 marks]

**Question 4**

Discuss five physiological disorders of tomato (*Solanum lycopersicum*) crop and suggest how each disorder can be overcome.

25 marks]

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## Question 5

- a) Discuss the physiology of onion (*Allium cepa*) bulbing. [15marks]
- b) Describe climatic and cultural requirements for successful production of pepper in Swaziland. [10 marks]

[25 marks]