



1ST SEMESTER 2017/18

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN HORTICULTURE YEAR
I

COURSE CODE: HRT101

TITLE OF PAPER: PRINCIPLES OF HORTICUTLURE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

- a) What is horticulture? [2]
 - b) Mr. Gamedze tested soil samples and found the soil pH is 4.5. He was advised to apply 40 t/ha kraal manure. Explain how the soil will benefit from the application of the kraal manure. [5]
 - c) Name six plant nutrients from natural resources. [6]
 - d) Explain the unlimited potential of the flower industry in Swaziland. [5]
 - e) Define the roles of ACAT and NAMBoard in the horticultural sector in Swaziland. [7]
- [25 marks]**

QUESTION 2

Discuss the different cropping systems in horticulture.

[25 marks]

QUESTION 3

- a) What is the importance of a nursery? 5)
- b) Define IPM and discuss its relation to GAP. (10)
- c) Discuss any five methods of asexual propagation. (10)

[25 marks]

QUESTION 4

Discuss variety selection criteria of horticultural crops.

[25 marks]

QUESTION 5

- a) Define vermicomposting [5]
- b) Discuss the process of vermicomposting for 1st cycle. [10]
- c) Describe five advantages of vermicomposting. [10]

[25 marks]