



2ND SEMESTER 2016/2017

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME:

**BACHELOR OF SCIENCE IN AGRONOMY YEAR III
AND BACHELOR OF SCIENCE IN HORTICULTURE
YEAR III**

COURSE CODE:

HORT 304

TITLE OF PAPER:

TROPICAL & SUBTROPICAL FRUIT PRODUCTION

TIME ALLOWED:

TWO [2] HOURS

INSTRUCTIONS:

ANSWER FOUR (4) QUESTIONS.

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

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

Discuss the production of grapefruit (*Citrus paradisi* L.) under the following headings:

- a) Climate and soil (15 marks)
- b) Propagation (10 marks)

[25 MARKS]

QUESTION 2

Describe the production of avocado pear (*Persia americana* Mills.) using the following guidelines:

- a) Irrigation (5 marks)
- b) Fruit yield (14 marks)
- c) Diseases (6 marks)

[25 MARKS]

QUESTION 3

Describe the production of passion-fruit (*Passiflora edulis* L.) using the following guidelines:

- a) Trellising and pruning (8 marks)
- b) Fruit yield (7 marks)
- c) Pests (4 marks)
- d) Cultivars (6 marks)

[25 MARKS]

QUESTION 4

List four (4) advantages and four (4) disadvantages associated with each orchard floor management tool by completing the table below: (24 marks)

Advantages and Disadvantages of Orchard floor Management Strategies.		
Tool	Advantages (any 4 in each category)	Disadvantages (any 4 in each category)
Permanent sod		
Mulching		
Biological control		

[25 MARKS]

QUESTION 5

Discuss the production of lychee (*Litchi chinensis* Sonn) using the following headings:

- a) Irrigation in summer and winter (19 marks)
- b) Pests (6 marks)

[25 MARKS]