



1st SEM 2019/2020

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UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

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

COURSE CODE: HRT 303

**TITLE OF PAPER: TROPICAL AND SUBTROPICAL FRUIT CROP
PRODUCTION**

TIME ALLOWED: TWO [2] HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

QUESTION 1

Discuss the production of mango (*Mangifera indica* L.) using the following guidelines:

- a) Soils (7 marks)
- b) Planting material (4 marks)
- c) Spacing (8 marks)
- d) Cultivars (6 marks)

[25 marks]

QUESTION 2

Discuss the production of pineapples (*Ananas comosus* L) with regards to:

- a) Climate requirements (14 marks)
- b) Spacing and planting material (11 marks)

[25 marks]

QUESTION 3

Describe the following aspects of papaya (*Carica papaya* L.) production:

- a) Female papaya (6 marks)
- b) Male papaya (4 marks)
- c) Hermaphrodite papaya (9 marks)
- d) Planting material (6 marks)

[25 marks]

QUESTION 4

Write short notes on the production of lychee (*Litchi chinensis* L.) following these guidelines:

- a) Soils (5 marks)
- b) Spacing (6 marks)
- c) Irrigation (14 marks)

[25 marks]

QUESTION 5

Write notes on the production of granadilla (*Passiflora edulis*) using the following guidelines:

- a) Fertilization (20 marks)
- b) Soils (5 marks)

[25 marks]