



2ND SEMESTER EXAMINATION 2017/2018

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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 guava production (*Psidium guajava* L) under the following headings:

- a) Water management. (15 marks)
- b) Nutrient management. (10 marks)

[25 MARKS]

QUESTION 2

Discuss pitaya (*Hylocereus undatus*) management following these guidelines:

- a) Staking /propping systems. (17 marks)
- b) Bagging. (8 marks)

[25 MARKS]

QUESTION 3

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

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

[25 MARKS]

QUESTION 4

Discuss papaya (*Carica papaya* L) production following these guidelines:

- a) Dioecious papaya. (8 marks)
- b) Hermaphrodite papaya. (9 marks)
- c) Seed germination. (8 marks)

[25 MARKS]

QUESTION 5

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

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

[25 MARKS]