



SUPPLEMENTARY EXAMINATION 2015/2016

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

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

COURSE CODE: HORT 304

TITLE OF PAPER: TROPICAL & SUBTROPICAL FRUIT PRODUCTION

TIME ALLOWED: TWO [2] HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**QUESTION 1**

Discuss the following pruning methods:

- | | |
|-----------------------------|------------|
| a) Open centre. | (10 marks) |
| b) Central leader. | (10 marks) |
| c) Modified central leader. | (5 marks) |

[25 marks]

QUESTION 2

Write notes on the production of dragon fruit or pitaya (*Hylocereus undatus*) using the following guidelines.

- | | |
|---|------------|
| a) Description and climatic requirements. | (10 marks) |
| b) Propagation. | (15 marks) |

[25 marks]

QUESTION 3

Write notes on the following types of citrus

- | | |
|----------------|-----------|
| a) Yuzu tree. | (6 marks) |
| b) Ugli fruit. | (6 marks) |
| c) Tangelo. | (7 marks) |
| d) Calamondin. | (6 marks) |

[25 marks]

QUESTION 4

Write notes on the following:

- | | |
|---|------------|
| a) banana sucker. | (3 marks) |
| b) peeper sucker. | (1 mark) |
| c) maiden sucker. | (1 mark) |
| d) sword sucker. | (3 marks) |
| e) water sucker. | (3 marks) |
| f) follower or ratoon sucker. | (2 marks) |
| g) sucker selection in banana management. | (12 marks) |

[25 MARKS]

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 5

| Discuss the production of cactus pear or fruit (*Opuntia ficusindica* L.) following these guidelines:

a) Seed propagation.

(8 marks)

b) Vegetative propagation.

(17marks)

[25 marks]