



SUPPLEMENTARY EXAMINATION 2017/2018

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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 ANY FOUR (4) QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

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

Discuss 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 2**

Discuss production of jaboticaba using the following guidelines:

- a) Cultivars. (10 marks)
- b) Climate and soil. (15 marks)

[25 MARKS]**QUESTION 3**

Describe the procedure followed in the production of jujube under Swaziland conditions using the following guidelines:

- a) Climate. (5 marks)
- b) Varieties. (5 marks)
- c) Propagation and culture. (15 marks)

[25 MARKS]**QUESTION 4**

Discuss production of sour orange (*Citrus aurantium* L) citrus.

- a) Soils and Climate. (15 marks)
- b) Pruning and culture. (10 marks)

[25 MARKS]

QUESTION 5

- (a) Outline the objectives of pruning a fruit tree.
- (b) List the factors that determine the timing of pruning a tree.
- (c) Describe winter pruning.

(12 marks)

(5 marks)

(8 marks)

[25 MARKS]