



SUPPLEMENTARY 2013/2014

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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 AND 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**

- a) Outline the components of the flowering process in Mango (*Mangifera indica* L.).
(8 marks)
- b) Discuss flowering plasticity that culminates in alternate bearing typical of the mango tree.
(17 marks)

[25 marks]**QUESTION 2**

Discuss the production of Strawberry (*Fragaria ananassa* L.) following these guidelines:

- a) Climatic requirements (14 marks)
- b) Soils (8 marks)
- c) Spacing (3 marks)

[25 marks]**QUESTION 3**

Write short notes on the production of pawpaw (*Carica papaya* L.) following these guidelines:

- a) Climatic requirements (5 marks)
- b) Soil requirements (10 marks)
- c) Sex forms in papaya (10 marks)

[25 marks]**QUESTION 4**

Discuss the production culture of the pomegranate (*Punica granatum* L.) following these guidelines

- a) Climatic and soil requirements (6 marks)
- b) Irrigation (4 marks)
- c) Fertilization (5 marks)
- d) Pruning (5 marks)
- e) Propagation. (5marks)

[25 marks]

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QUESTION 5

Discuss the procedures to follow in propagation of loquat (*Eriobotrya japonica* L.).

[25 marks]