



1st SEM 2015/2016

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN ABE YEAR III, AEE YEAR III AND AEM YEAR III

COURSE CODE: HORT 306

TITLE OF PAPER: FRUIT AND VEGETABLE 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**

Describe planting plans for orchard establishment following these guidelines:

- (a) Square system (8 marks)
- (b) Rectangular system (6 marks)
- (c) Hedgerow system (6 marks)
- (d) Contour system (5 marks)

[25 marks]

QUESTION 2

Describe the production of pineapple (*Ananas comosus* L.) under the following headings:

- (a) Climatic requirements (15 marks)
- (b) Spacing and planting material (10 marks)

[25 marks]

QUESTION 3

- a) What is the main objective of orchard floor management. (1 mark)
- b) List four (4) advantages and two (2) disadvantages associated with each orchard floor management tool by completing the table below: (24 marks)

Advantages and Disadvantages of Orchard floor Management Strategies		
Tool	Advantages (any 4 in each category)	Disadvantages (any 2 in each category)
Cultivation		
Mulching		
Chemical (Herbicides)		

[25 marks]

QUESTION 4

Describe the production of carrots (*Daucus carota* L.) as follows:

- (a) Land preparation (12 marks)
- (b) Sowing depth and spacing (4 marks)
- (c) Thinning (9 marks)

[25 marks]

QUESTION 5

Describe the production of mango (*mangifera indica* L.) as follows:

- (a) Land preparation (10 marks)
- (b) Spacing (5 marks)
- (c) Harvesting (10 marks marks)

[25 marks]