



SUPPLEMENTARY 2016/17

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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

- a) Describe the primary and secondary objectives of orchard floor management. (1 mark)
- b) List four (4) advantages and four (4) disadvantages associated with each orchard floor management tool in completing the table below: (24 marks)

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

[25 MARKS]

QUESTION 2

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

- a) Soils (6 marks)
- b) Spacing (5 marks)
- c) Fertilization (14 marks)

[25 MARKS]

QUESTION 3

Discuss the factors to be considered in the site selection for the establishment of fruit or vegetable enterprise.

[25 MARKS]

QUESTION 4

- a) Discuss the methods of proper handling of fruits and vegetables after harvest (12marks)
- b) Outline the factors influencing post-harvest changes in fruit and vegetables (8 marks)
- c) Describe the factors influencing water loss in postharvest handling of fruits and vegetables (5 marks)

[25 MARKS]

QUESTION 5

Discuss the general guidelines for the safe use of crop protection chemicals.

[25 MARKS]