



SUPPLEMENTARY 2014/2015

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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

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS.

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

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

- 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)
Mulching		
Clean cultivation		
Mowing		

[25 marks]**QUESTION 2**

Discuss the production of carrot (*Daucus carota* L.) under the following guidelines:

- a) Seeding (17 marks)
 b) White mould (*Sclerotinia sclerotiorum*) control (8 marks)

[25 marks]**QUESTION 3**

Discuss the production of banana (*Musa acuminata* L.) under the following:

- a) Planting material (5 marks)
 b) Spacing (11 marks)
 c) Fertilization (9 marks)

[25 marks]

QUESTION 4

Discuss the environmental requirements of the following Cole crops:

- a) Cabbage (*Brassica oleracea* L.) (13 marks)
- b) Cauliflower (*Brassica oleracea* var *italica* L.) (12 marks)

[25 marks]

QUESTION 5

Provide a guideline for the production of peaches (*Prunus persica* L) under the following:

- a) Soil and site requirements (6 marks)
- b) Land preparation and planting (10 marks)
- c) Irrigation (5 marks)
- d) Weed control (4 marks)

[25 marks]