



SUPPLEMENTARY 2017/2018

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

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

COURSE CODE: HRT305/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**

Explain the following:

- (a) Self-fruitful (3 marks)
- (b) Apomixis (5 marks)
- (c) Parthenocarpy (5 marks)
- (d) Drupe (2 marks)
- (e) Pome (2 marks)
- (f) Marcottage (8 marks)

[25 marks]

QUESTION 2

Discuss the production of the avocado (*Persea americana* L) using the following these guidelines:

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

[25marks]

QUESTION 3

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

[25 marks]

QUESTION 4

- a) Discuss the methods of proper handling of fruits and vegetables after harvest
(12 marks)
- b) Describe the factors influencing postharvest changes in fruit and vegetables
(6 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]