



1st SEM 2019/2020

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UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

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

COURSE CODE: HORT 306 / HRT305

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

Write notes on the following:

- a) Classification of polyembryony on the basis of frequency (7 marks)
- b) Significance of polyembryony (18 marks)

[25 MARKS]

QUESTION 2

Describe the production of pomegranate (*Punica granatum* L) using the following guidelines:

- a) Climate (10 marks)
- b) Soil (5 marks)
- c) Irrigation (10 marks)

[25 MARKS]

QUESTION 3

Describe the production of cucumber (*Cucumis sativus* L.) following these guidelines:

- a) Soils and rotation (10 marks)
- b) Harvesting and handling (15 marks)

[25 MARKS]

QUESTION 4

Vegetables and fruits are highly perishable commodities. Describe the methods employed to ensure proper handling of vegetables ‘‘during’’ and ‘‘after’’ harvesting (25 marks).

[25 MARKS]

QUESTION 5

Describe the control of weeds in vegetable production by the following methods

- a) Mechanical control (8 marks)
- b) Chemical control (10 marks)
- c) Mulching (7 marks)

[25 MARKS]