



1ST SEM 2011/12

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

PROGRAMME: BACHELOR OF SCIENCE IN ABE, AEM AND AGRIC. EDUCATION YEAR III

COURSE CODE: HORT 306

TITLE OF PAPER: VEGETABLE AND FRUIT CROP PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

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QUESTION 1

Write short notes on the production culture of the Cape Gooseberry (*Physalis peruviana*) under the following headings:

- a) Soil type, drainage, water requirements (10 marks)
- b) Propagation (13 marks)
- c) Spacing (2 marks)

[25 marks]

QUESTION 2

Provide harvesting guidelines for the following vegetable crops:

- a) Snap beans (2 marks)
- b) Broccoli (2 marks)
- c) Brussels sprouts (3 marks)
- d) Cauliflower (3 marks)
- e) Sweet corn (4 marks)
- f) Eggplant (3 marks)
- g) Okra (2 marks)
- h) Leaf lettuce (2 marks)
- i) Watermelon (4 marks)

[25 marks]

QUESTION 3

Write briefly on the following vegetable crop management practices:

- a) Thinning of carrots (*Daucus carota*) (12 marks)
- b) Staking of tomato (*Lycopersicon esculentum*) (13 marks)

[25 marks]

QUESTION 4

Provide the production guidelines for banana (*Musa* spp) cultivation under the following:

- a) Climate and soils (12 marks)
- b) Spacing (9 marks)
- c) Pruning, propping and desuckering (4 marks)

[25 marks]

QUESTION 5

- a) What are the primary and secondary objectives of orchard floor management (5 marks)
- b) Describe four (4) advantages and four (4) disadvantages of the following methods of orchard floor management:
 - i) Cultivation (8 marks)
 - ii) Mowing (8 marks)
 - iii) Mulching (8 marks)

[25 marks]