



1<sup>st</sup> SEM 2016/17

PAGE 1 OF 2

**UNIVERSITY OF SWAZILAND**

**FINAL 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**

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

- (i) Soils and rotations (8 marks)
- (ii) Fertilization (12 marks)
- (iii) Spacing (5 marks)

**[25 marks]**

**QUESTION 2**

Discuss the production culture of onion (*Allium cepa* L.) following these guidelines:

- i) Soil requirements (8 marks)
- ii) Fertilization (12 marks)
- iii) planting spacing (5 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) Fertiliser application (9) marks)

**[25 marks]**

**QUESTION 4**

Discuss the production of cabbage (*Brassica oleracea* L ) following these guidelines:

- a) Seedling production (13 marks)
- b) Field spacing (6 marks)
- c) Fertiliser requirements (6 marks)

**[25 marks]**

**QUESTION 5**

Soil moisture management is important in vegetable production:

- a) List the factors that influence the amount of water to apply and the irrigation frequency (8 marks)
- b) List the advantages and disadvantages of mulching (17 marks)

**[25 marks]**