



1ST SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

PROGRAMME: [DIPLOMA IN AGRICULTURE III, DIPLOMA IN HOME ECONOMICS III, DIPLOMA IN HOME ECONOMICS EDUCATION III & DIPLOMA IN AGRICULTURAL EDUCATION II]

COURSE CODE: CP 302

TITLE OF PAPER: INTRODUCTION TO VEGETABLE CROP PRODUCTION

TIME ALLOWED: TWO [2] HOURS]

INSTRUCTION: ANSWER THREE [3] QUESTIONS INCLUDING QUESTION ONE [1] WHICH IS COMPULSORY AND ANY OTHER TWO [2] QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

QUESTION 1 [COMPULSORY]

Provide a detailed discussion on the importance of 'soil management' in vegetable crop production'.

[40 marks]

QUESTION 2

Discuss the importance of 'seed' in vegetable crop production. Your discussion must highlight the concepts of 'germination' and 'dormancy'.

[30 marks]

QUESTION 3

The cabbage (*Brassica oleracea* var *capitata*) is a popular vegetable crop in Swaziland. As an upstart field Extension worker you are required to assist a group of farmers in Malkerns to establish a market garden of cabbage in a 100 hectare plot. How would you accomplish this task?

[30 marks]

QUESTION 4

Fruit vegetable crops usually rely on successful pollination and fertilisation for optimum fruit set. Discuss the horticultural measures that may be employed in optimising fruit set in the following vegetable crops:

- a) Watermelon (*Citrullus lunatus* L) (6 marks)
- b) Cucumber (*Cucumis sativus* L) (7 marks)
- c) Okra (*Hibiscus esculentus* L) (7 marks)
- d) Tomato (*Lycopersicon esculentum* L) (10 marks)

[30 marks]