

07/



2ND SEM 2006/2007

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

**PROGRAMME : BACHELOR OF SCIENCE AGRICULTURE
 YEAR V, BACHELOR OF SCIENCE HOME
 ECONOMICS YEAR V AND BACHELOR OF SCIENCE
 IN AGRICULTURAL EDUCATION YEAR V**

COURSE CODE : HORT 502

TITLE OF PAPER : VEGETABLE CROPS

TIME ALLOWED : TWO [2] HOURS

INSTRUCTIONS : ANSWER ANY FOUR (4) QUESTIONS

**DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE
 INVIGILATOR**

QUESTION 1

Bolting is a major problem affecting the productivity of the otherwise popular leafy mustard (*Brassica juncea* L.). Discuss all possible solutions to this problems.

[25 marks]

QUESTION 2

Irish potato (*Solanum tuberosum* L.) is a popular tuber crop in Swaziland. How can your knowledge of the physiology of tuberisation enhance tuber yield of the crop?

[25 marks]

QUESTION 3

Indigenous vegetables are an important resource in the management of HIV/AIDS. Discuss.

[25 marks]

QUESTION 4

Discuss some of the appropriate organic production techniques used in baby vegetable management.

[25 marks]

QUESTION 5

Hydroponics is a relatively ancient vegetable growing technology which has only recently gained popularity in Southern Africa. Discuss the background, prospects, and systems relevant to the application of this technology.

[25 marks]