



2ND SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR V[AGRICULTURAL ECONOMICS &
MANAGEMENT, CROP PRODUCTION,
HORTICULTURE, LAND & WATER
MANAGEMENT OPTION]**

COURSE CODE: HORT 502

TITLE OF PAPER: VEGETABLE CROPS

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]

The carrot (*Daucus carota* L) and fennel (*Foeniculum vulgare* L) both belong to the family Umbelliferae. Compare and contrast the production of the two vegetable crops.

[40 marks]

QUESTION 2

Indigenous vegetables have gained increased economic importance in Swaziland, particularly in connection with alleviation of debilitating effects of the HIV / AIDS pandemic. Discuss the contribution of research towards increased productivity of some named indigenous vegetables.

[30 marks]

QUESTION 3

Vegetable crops may be grown on 'soil' or 'hydroponically'. Discuss.

[30 marks]

QUESTION 4

The onion (*Allium cepa*) and garlic (*Allium sativum*) both belong to the same family. Compare and contrast their production culture.

[30 marks]