



2ND SEM 2010/2011

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE DEGREE IN AGRONOMY
YEAR 4**

COURSE CODE: CP 410

TITLE OF PAPER: FIBRE, TOBACCO AND TUBER CROP PRODUCTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER QUESTIONS 1 AND 2, WHICH ARE
COMPULSORY QUESTIONS AND ANY OTHER 2
QUESTIONS.**

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

QUESTION 1

This is a compulsory question

Write an essay on organic cotton production in Swaziland

(28 Marks)

QUESTION 2

This is also a compulsory question

Write briefly on the following. Use examples to illustrate your answer, where applicable.

Each question carries four marks.

- (a) Multiplication ratio.
- (b) Hardening in tobacco
- (c) Adaptation in sweetpotato
- (d) Methods of planting cassava
- (e) Crop diversification
- (f) Solanin
- (g) Tuberisation in *Solanum tuberosum* L.

(28 Marks)

QUESTION 3

Write an essay on tobacco seedling production from site selection up to and including the uprooting of seedlings for transplanting.

(22 Marks)

QUESTION 4

Write an essay on rapid multiplication of cassava. Use diagrams to illustrate your answer.

(22 Marks)

QUESTION 5

Explain how the production and the utilisation of root and tuber crops can be improved in Swaziland. Include in your answer practical solutions with benchmarks.

(22 Marks)