



2nd SEMESTER 2008/2009

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

**PROGRAMME: DIPLOMA IN AGRICULTURE YEAR 3 AND DIPLOMA IN
AGRICULTURAL EDUCATION YEAR 3**

COURSE CODE: CP 301

TITLE OF PAPER: INTRODUCTION TO FIELD CROPS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.

QUESTION 1

Discuss the advantages and disadvantages of growing sugarcane in Swaziland.

(25 marks)

QUESTION 2

(a) How can you preserve sweet potato's planting materials in a heavy frost area?

(20 marks)

(b) Weeds in sweet potatoes pose fewer problems than insect pests, why?

(5 marks)

QUESTION 3

(a) There are two methods of raising rice seedlings, outline them.

(10 marks)

(b) Outline the difference between lowland and upland rice cultivation.

(10 marks)

(c) What is its (rice) economic importance in our diet?

(5 marks)

QUESTION 4

(a) Soybeans are utilized as a protein source and are considered to be much better than other legumes, why?

(15 marks)

(b) Soybeans are a warm season crop, requiring about the same climatic requirements as maize. Discuss these requirements.

(10 marks)

QUESTION 5

- (a) Briefly explain the importance of cassava (*Manihot esculenta* Crantz) in our diet. (10 marks)
 - (b) How is it propagated? (10 marks)
 - (c) Cassava plants can survive a dry spell of 3 – 4 months, explain how? (5 marks)
- (25 Marks)**