



2ND SEM. 2006/2007

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION

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

COUSE CODE: CP 301

TITLE OF PAPER: INTRODUCTION TO FIELD CROPS

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.
N.B: USE SEPARATE ANSWER SCRIPT FOR
QUESTION FIVE (5)**

**DO NOT OPEN THE PAPER UNTIL PERMSSIOMN HAS BEEN GRANTED BY
THE CHIEF INVIGLATOR**

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INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.
N.B: ANSWER QUESTION FIVE (5) IN A SEPARATE ANSWER SCRIPT.

QUESTION 1

Discuss the production requirements for successful sugarcane production in Swaziland.

(25 marks)

QUESTION 2

Write briefly on the following:-

- (i) Vernalisation (5).
- (ii) Nodulation process in grain legume crops (5).
- (iii) Determinate and indeterminate crops (5).
- (iv) Plant biodiversity in relation to cultivated crops (5).
- (v) Photoperiodism and its importance in crop yields (5).

(25 marks)

QUESTION 3

Write a crop production guide for bambara groundnut (*Vigna subterranea* (L.) Verdc).

(25 marks)

QUESTION 4

Write a production guide for efficient production of common beans
(*Phaseolus vulgaris* L.)

(25 marks)

QUESTION 5

Write a production guide for tobacco production in Swaziland.

(25 marks)