



2nd SEM. 2004/2005

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**UNIVERSITY OF SEAZILAND
FINAL EXAMINATION PAPER**

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

COURSE CODE: CP 301

TITLE OF PAPER: INTRODUCTION TO FIELD CROPS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS. ANSWER
QUESTION ONE (1) AND ANY OTHER THREE (3)
QUESTIONS. N.B: USE SEPARATE ANSWER
SCRIPT FOR QUESTION FIVE (5)

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

INSTRUCTIONS: ANSWER QUESTION ONE [1], WHICH IS COMPULSORY AND ANY OTHER THREE [3] QUESTIONS
N.B: USE SEPARATE SCRIPT FOR QUESTION 5

QUESTION 1

Write an essay on how the production and the productivity of a named legume crop can be increased in Swaziland, or in your country.

(40 marks)

QUESTION 2

Write briefly on the following:-

- (a) Agro-ecological zone (5)
- (b) Importance of a grain legume crop in a cropping system (5)
- (c) Potential for rice production in Swaziland (5)
- (d) Relevance of photoperiod in crop production (5)

QUESTION 3

How can Swaziland or your country if other than Swaziland meet her maize food requirements and still have surplus for export?.

(20 marks)

QUESTION 4

Write a crop production guide for the successful production of sorghum in Swaziland.

(20 marks)

QUESTION 5

- (a) (i) What is a yield component?
(ii) List any five components of wheat yield.

(5 marks)

- (b) Briefly describe the importance of the following expressions in wheat production:-

- (i) Wheat quality;
(ii) Time of planting;
AND EITHER
(iii) Irrigation management
OR
(iv) Nitrogen management

(15 marks)