



**2<sup>nd</sup> SEM. 2005/2006**

**PAGE 1 OF 3**

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

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

**INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS.**

**N.B: ANSWER QUESTION 5 IN A SEPARATE ANSWER SCRIPT.**

**QUESTION 1**

Discuss the advantages and disadvantages of growing sugarcane in Swaziland.

**(25 marks)**

**QUESTION 2**

Write briefly on the following:-

- (a) Vernalization (5)
- (b) Agro-ecological zones in Swaziland (5)
- (c) Centres of origin of crops (5)
- (d) Photoperiodism and its practical importance in agriculture (5)
- (e) Grain legume crops (5)

**(25 marks)**

**QUESTION 3**

Write a crop production guide for a farmer who wants to grow beans(*Phaseolus vulgaris* (L.).

**(25 marks)**

**QUESTION 4**

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

**(25 marks)**

**QUESTION 5**

(a) Describe the potential for dryland wheat production in Swaziland.

**(10 marks)**

(b) Describe the potential for irrigated wheat production in Swaziland.

**(10 marks)**

(c) If you were a farmer, what system of production would you adopt? In your answer (outline form), give five reasons why you would prefer to grow wheat under the dryland or irrigation system.

**(5 marks)**

**(25 marks)**