



2<sup>nd</sup> SEM. 2006/2007

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**UNIVERSITY OF SWAZILAND**  
**FINAL EXAMINATION PAPER**

**PROGRAMME:** **BACHELOR OF SCIENCE IN CROP SCIENCE**  
**(AGRICULTURAL EDUCATION, AGRICULTURAL**  
**ECONOMICS AND MANGEMENT, CROP**  
**PRODUCTION AND LAND AND WATER**  
**MANGEMENT OPTIONS) YER V**

**COURSE CODE:** **CP 507**

**TITLE OF PAPER:** **FIELD CROPS**

**TIME ALLOWED:** **TWO (2) HOURS**

**INSTRUCTIONS:** **ANSWER ANY FOUR (4) QUESTIONS**

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**THE CHIEF INVIGILATOR**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS****QUESTION 1**

Explain how you would maintain crop productivity on a farm on a sustainable basis.

**(25 marks)**

**QUESTION 2**

Explain why crop production should be taught in elementary schools in Swaziland, or your country if other than Swaziland.

**(25 marks)**

**QUESTION 3**

Explain how improved management practices can affect the yield of maize in Swaziland.

**(25 marks)**

**QUESTION 4**

The increased cultivation of sugarcane in the last few years has resulted in increased food insecurity in Swaziland. Discuss.

**(25 marks)**

**QUESTION 5**

Write briefly on the following:-

- (i) Global warming. (5)
- (ii) Plant competitive ability. (5)
- (iii) Advantages of C<sub>4</sub> photosynthesis. (5)
- (iv) Organic farming. (5)
- (v) Conservation agriculture. (5)

**(25 marks)**