



**2<sup>ND</sup> SEMESTER 2007/2008**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR'S DEGREE IN AGRONOMY YEAR 3**

**COURSE CODE: CP 305**

**TITLE OF PAPER: UNDER-UTILISED CROPS**

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

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS OF YOUR  
CHOICE**

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BY THE CHIEF INVIGILATOR**

**QUESTION 1**

Write in detail about the following. Use examples to illustrate your answers, where possible. Each question carries five marks.

- (a) The Earth Summit of 1992 in Rio de Janeiro, Brazil.
- (b) *Ex situ* conservation of germplasm
- (c) Seed mixtures and seed blends
- (d) Nutraceuticals
- (e) The Swaziland Institute for Research in Traditional Medicine, Medicinal and Indigenous Food Plants

(25 Marks)

**QUESTION 2**

Discuss the importance of genetic diversity in addressing the adverse effects of global warming on agriculture

(25 Marks)

**QUESTION 3**

Discuss the role of plants in human nutrition

(25 Marks)

**QUESTION 4**

A survey conducted in 2006 showed that there has been significant reduction in the number of indigenous food crops and fruits consumed by Swazis since 1960. Explain possible causes for the decline, the effects of the decline on the economy of the Swazi nation and suggest how the constraints caused by the decline can be addressed.

(25 Marks)

**QUESTION 5**

(a) What are underutilized crops?

( 5 Marks)

(b) Choose one under-utilised crop, explain why you consider it to be underutilised and discuss how its utilisation can be improved.

( 20 Marks)