



SUPPLEMENTARY 2005/2006

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**UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER**

**PROGRAMME : BACHELOR OF SCIENCE IN AGRICULTURE
YEAR 4 [CROP PRODUCTION AND
[HORTICULTURE OPTIONS]**

COURSE CODE : CP 401

TITLE OF PAPER : CROP BOTANY

TIME ALLOWED : TWO [2] HOURS

INSTRUCTIONS : ANSWER ANY FOUR [4] QUESTIONS

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THE CHIEF INVIGILATOR**

QUESTION 1

- a) What is taxonomy ? [5]
- b) Differentiate between Alpha and Omega taxonomy. [5]
- c) What is biosystematic ? [5]
- d) What is phenetic classification ? [5]
- e) Differentiate artificial vs natural classification [5]

[25]**QUESTION 2**

Write an essay on the importance of Malvaceae family. What contribution can this family offer small holder farmers in view of the GSP (African Growth and Opportunity Act [AGOA]).

[25]**QUESTION 3**

Write a paper to be presented in a conference on indigenous crops in Swaziland outlining the importance of Tiliaceae in view of recurrent interest in functional foods in combating HIV/AIDS.

[25]**QUESTION 4**

- a) What are the merits and demerits of artificial and phenetic classification systems.

[13]

b) Write a critique on the wage of botanical keys in plant taxonomy.

[12]

[25]

QUESTION 5

Give a general description of the Poaceae Family. What opportunities does this family have for the estimated 144,000 people who are experiencing acute food shortage in view of the persisting drought spell in Swaziland ?

[25]