



1ST SEMESTER 2005/2006

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME : BACHELOR OF 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

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEN GRANTED BY
THE CHIEF INVIGILATOR.**

QUESTION 1

Give definition of the following botanical terms :

- (a) True fruit
- (b) False fruit
- (c) Dehiscent
- (d) Pericarp
- (e) Mesocarp
- (f) Exocarp
- (g) Seed
- (h) Suture
- (i) Fruit
- (j) Valve

[25]

QUESTION 2

Give example of the following types of fruits:

- (a) Aggregate
- (b) Drupe
- (c) Multiple fruit
- (d) Accessory
- (e) Syconium
- (f) Berry
- (g) Hesperidium
- (h) Pome
- (i) Pepo
- (j) Caryopsis

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QUESTION 3

Give the definition of the following Botanical terms:

- (a) Bisexual
- (b) Unisexual
- (c) Monoecious
- (d) Dioecious
- (e) Polygamo-deoecious
- (f) Polygamo-monoecious
- (g) Actinomorphic flower
- (h) Coalescence
- (i) Sympetaly
- (j) Hypogamous

[25]

QUESTION 4

Give a general description of the Agavaceae family. What opportunities does this family have for the Swaziland textile cottage industry.

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QUESTION 5

Write a paper to be presented in a conference on indigenous crops in Swaziland, outlining their importance in the food supply in the country

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