



1st SEMESTER 2015/2016

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UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE DEGREE IN AGRONOMY
YEAR 4**

COURSE CODE: CP 401

TITLE OF PAPER: AGROFORESTRY

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTION: ANSWER QUESTIONS ONE AND TWO, WHICH ARE
COMPULSORY AND ANY OTHER TWO (2)
QUESTIONS OF YOUR CHOICE**

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

QUESTION 1
(THIS IS A COMPULSORY QUESTION)

Discuss agroforestry potentials of moringa (*Moringa oleifera* L.)

(28 Marks)

QUESTION 2
(THIS IS ALSO A COMPULSORY QUESTION)

Explain following terms. Each question carries four marks.

- (a) Pollarding.
- (b) Taungya system.
- (c) Multi-purpose trees.
- (d) Reasons why agroforestry was abandoned.
- (e) Silvopastoral system.
- (f) Characteristics of an agroforestry tree.
- (g) Citemene system.
- (h) Aquaculture.

(28 Marks)

QUESTION 3

Discuss the term "Carbon sequestration"

(22 Marks)

QUESTION 4

Discuss the differences between agriculture and agroforestry.

(22 Marks)

QUESTION 5

Explain why there has been renewed interest in agroforestry and how this interest can be sustained.

(22 Marks)