



**UNIVERSITY OF ESWATINI
MAIN EXAMINATION PAPER**

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

COURSE CODE: **CP 403**

TITLE OF PAPER: **FIBRE, TOBACCO AND TUBER CROP PRODUCTION**

TIME ALLOWED: **2 HOURS**

INSTRUCTIONS: **ANSWER ANY FOUR QUESTIONS**

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

QUESTION 1

- a) Describe how cotton is harvested by small scale farmers [5 marks]
 - b) Describe in detail how tobacco seedlings are raised from seedbed preparation up to transplanting [15marks]
 - c) Explain the causes of lignification in sweet potato [5 marks]
- [25 marks]**

QUESTION 2

- a). Explain how best can weeds be managed in a tobacco field [15 marks]
 - b) Discuss the process of topping and desuckering in tobacco production [10 marks]
- [25 marks]**

QUESTION 3

- a) Write an essay on rapid multiplication of sweet potato planting material [15 marks]
 - b) Explain the differences in agronomic management of a rapid multiplication field and a normal crop field [10 marks]
- [25 marks]**

QUESTION 4

- a) Discuss the fertiliser requirements of sweet potato. [10 marks]
 - b) Explain how farmers can best manage late blight infestation in potatoes. [10 marks]
 - c) Why is ridging essential when growing root and tuber crops? [5 marks]
- [25 marks]**

QUESTION 5

- a) Discuss the various methods of placing cassava stem cuttings indicating the unique features of each method. [9 marks]
- b) Describe in-field storage of cassava roots [6 marks]
- c) Explain four physiological disorders of Irish potato that produce symptoms on the outside of tubers. [10 marks]

[25 marks]