



1ST SEM 2011/2012

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: B.Sc. IN AGRONOMY YEAR 4

COURSE CODE: CP 403

TITLE OF PAPER: COTTON, TOBACCO AND TUBER CROPS

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER
THREE QUESTIONS IN SECTION B, MAKING A TOTAL OF
FIVE**

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CHIEF INVIGILATOR**

Answer all questions in section A and any other three questions in section B, making a total of five

SECTION A THIS SECTION IS COMPULSORY

QUESTION 1

- (a) Discuss the factors that determine where annual crops are grown. (10 marks)
(b) Give reasons why early planting often results in higher crop yields. (10 marks)
[20 MARKS]

QUESTION 2

- (a) Define
 (i) seedbed,
 (ii) soil tilth,
 (iii) chitting (6 marks)
(b) What is the best time to prepare a seedbed? (2 marks)
(c) Discuss factors that influence number of ploughings during seedbed preparation. (2 marks)
(d) Why do farmers often plant late? (5 marks)
(e) Give the advantages and limitations of planting cassava and sweetpotato on mounds or ridges. (5 marks)

[20 MARKS]

SECTION B ANSWER ANY THREE QUESTION FROM THIS SECTION

QUESTION 3

- (a) What are the major constraints to potato production in Africa? (10 marks)
(b) Discuss agronomic practices for potato production. (10 marks)
[20 MARKS]

QUESTION 4

- (a) Give the ecological requirements for production of: (2.5 marks each)
(i) tobacco,
(ii) sweetpotato,
(iii) potato and
(iv) cotton
(b) Discuss the agronomic practices for tobacco production. (10 marks)
[20 MARKS]

QUESTION 5

- (a) Outline the importance of: (2.5 marks each)
(i) tobacco,
(ii) potato,
(iii) sweetpotato,
(iv) cotton.
(b) Discuss the agronomic practices for cotton production. (10 marks)
[20 MARKS]

QUESTION 6

- (a) What are the major constraints to sweetpotato production in Africa? (10 marks)
(b) Discuss the agronomic practices for cassava production. (10 marks)
[20 MARKS]