



**2<sup>nd</sup> SEMESTER 2009/2010**

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**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER**

**PROGRAMME:** BSC AGRONOMY YEAR 4

**TITLE:** COTTON, TOBACCO AND TUBER CROP  
PRODUCTION

**COURSE CODE:** CP410

**TIME ALLOWED:** TWO (2) HOURS

**INSTRUCTIONS:** ANSWER ANY FOUR (4) QUESTIONS OF YOUR  
CHOICE.

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**BY CHIEF INVIGILATOR**

**QUESTION 1**

- a) Identify the major Integrated Pest Management (IPM) approaches used in the cotton industry. **(10 Marks)**
- b) Discuss the actual and potential roles of any three of these in increasing cotton production. **(15 Marks)**

**QUESTION 2**

- a) Discuss general problems and challenges associated with the Tobacco Industry. **(15 Marks)**
- b) Outline opportunities for Tobacco Production in Swaziland. **(10 Marks)**

**QUESTION 3**

A Farmer in Nceka says: *“Over my dead body shall I grow cassava for my family”*.

And yet THE CLIMATE –RAINFALL especially does not in most years favour the production of maize. Hence frequency of famines in the area is higher!

Discuss strategies that you would you take to:

- (i) Successfully dialogue with farmer to the point where he eventually starts to eat and accept cassava as non poisonous; **(15 Marks)**
- (ii) Successfully establish cassava production in Kalanga RDA as a food security crop. **(10 Marks)**

**QUESTION 4**

Discuss the extent to which crop diversification has been achieved in Swaziland. **[25 Marks]**

**QUESTION 5**

Briefly discuss any five of the following topics **(5 Marks each)**

- a) “Supply and Demand Extension concept” in agricultural research and extension;
- b) Tissue culture use in vegetatively propagated crops e.g. sweet potatoes;
- c) Traits associated with belowground competitive ability;
- d) Organic farming;
- e) Uses of Crop simulation in research;
- f) Topping and suckering.

**[25 Marks]**