



UNIVERSITY OF ESWATINI  
RESIT/SUPPLEMENTARY EXAMINATION PAPER

**PROGRAMME:** BACHELOR OF SCIENCE IN AGRONOMY 2  
BACHELOR OF SCIENCE IN AGRONOMY 4

**COURSE CODE:** CPR202/CP 405

**TITLE OF PAPER:** ANNUAL CROPS/CEREALS AND GRAIN LEGUME  
PRODUCTION

**TIME ALLOWED:** 2 HOURS

**INSRCTIONS:** ANSWER ANY FOUR (4) QUESTIONS

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THE CHIEF INVIGILATOR

QUESTION 1

- a) Explain why open pollinated varieties (OPVs) of maize are gaining popularity among Swazi farmers. [10 marks]
- b) Sorghum plants have the ability to yield even under severe drought conditions. Discuss. [15 marks]
- [25 marks]

QUESTION 2

- a) Discuss interspecific and intraspecific crop competition [10 marks]
- b) Discuss the three principles of Conservation Agriculture [15 marks]

QUESTION 3

- a) Discuss the constraints to commercial bean production in Swaziland. [10 marks]
- b) Discuss the different types of growth habits on beans. State their influence on growth duration and yield. [12 marks]
- c) Briefly describe pegging in groundnuts. [3 marks]
- [25 marks]

QUESTION 4

- a) Discuss the causes of lignification in sweet potato. [10 marks]
- b) Describe underground storage of sweet potato after harvesting. [10 marks]
- c) Discuss five (3) constraints to cassava production in Swaziland. [5 marks]

**QUESTION 5**

a). Describe how tobacco seedlings are raised beginning from seedbed preparation up to transplanting.

[10 marks]

b) Discuss three methods of tobacco curing stating each one's effect on tobacco quality.

[15 marks]

[25 marks]