



**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY, YEAR FOUR**

**COURSE CODE: CP401**

**TITLE OF PAPER: AGROFORESTRY**

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

**INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER THREE (3) QUESTIONS**

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**QUESTION 1**

How can agroforestry improve the industrial growth of Swaziland? Discuss.

25 marks

**QUESTION 2**

(a) Briefly explain three (3) advantages to using native tree species in an agroforestry system.

15 marks

(b) Identify two (2) situations where you would advise a farmer that it is well to use exotic species.

10 marks

**QUESTION 3**

(a) Describe three (3) negative effects of agroforestry on soil properties.

15 marks

(b) Indicate how you would avoid two (2) negative effects mentioned in (a) in the implementation of agroforestry.

10 marks

**QUESTION 4**

What are the potential economic advantages and challenges of a silvopastoral practice as opposed to open grazing?

25 marks

**QUESTION 5**

Describe what you understand by 'diagnosis and design (D & D)' in agroforestry. Use practical examples in your answer.

25 marks