

1ST SEM.: 2007/2008

PAGE 1 OF 3

THE UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. IN AGRONOMY YEAR IV

COURSE CODE:

CP 404

TITLE OF PAPER: SOIL MANAGEMENT

TIME ALLOWED: TWO [2] HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

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

OUESTION 1

a)	Identify and write short notes on the two major types of ecosystems found in the tropic		
	[10]		
b)	Discuss how the effects of fire on the soil and the vegetation are influenced by the		
	following parameters: i) The kind of fire [10] ii) The frequency of fire [5]		
			[25]
	QUESTION 2		
a)	"Pineapple plants destroy the soil", highlight the basis for this contention. [5]		
b)	Discuss the causes of poor yields when crops are grown in soils propine production.	reviously under [20]	[25]
	QUESTION 3		
a)	What are the major causes of soil salinity in agricultural lands	[10]	
b)	Discuss the management of saline soils for increased crop yields.	[15]	[25]
	QUESTION 4		
	Discuss the soil requirement and management of soils for sugaroas	ne production	[25]

PAGE 3 OF 3

QUESTION 5

a) Outline the distribution of acid-sulphate soils.

[10]

b) Discuss the reclamation measures you would recommend to increase crop yields in such soils

[15]

[25]