

W1340-14

JOMO KENYATTA UNIVERSITY OF ACRICULTURE AND TECHNOLOGY University Examinations 2017/2018

YEAR IV EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN LAND RESOURCES PLANNING AND MANAGEMENT

ALP 2411: LAND EVALUATION II						
DATE: AUGUST	, 20	18	TIN	TIME: 2 HOURS		
NSTRUCTIONS:		Answer Question O Illustrate your answ	NE and	d Any Other TWO necessary.	Questions.	
Question 1	_					
a) Describe the p	rinc	iples which guide/ un	derlie th	e:		
i) F	on	(9 marks)				
ii) USDA -SCS land capability Classification					(3marks)	
b) Discuss the evaluation		nitarities between the	USBR S	system and the FAO-F	ramework for land (3 marks)	
develop fo	r ho	a family in Garissa Co rticultural crop productions in the area, descr	tion . U			
i. Three	hor	ticultural crop based L	and Uti	lization types in terms	of key attributes (3 marks)	
		ant land qualities you	identify	as diagnostic criteria	for suitability	
evalu:		•		au.!!! a ab	(8 marks)	
		l evaluation methodolo ne family.	igy you	will use to assess the	suitability for the	
					(4 marks)	
Question 2.						
a) Define	the	following terms;				
	1.	Arable land	iii)	Irrigable lands		
	ii.	Payment capacity	iv)	Land class		
					(7 marks)	
b) Descr	ibe t	he following;				
i)	Sulmbility classes of I	ystem	(9 marks)		
	i)	Capability classes of the USDA-SCS land capab			•	

iii.

Land Utilization Type (LUT)

Question 3.

a) Define the terms:

1. land evaluation

	ü. Matching	iv. Land	use planning
			(4 marks)
	Erren evaluation		to select a diagnostic criteria in a (4 marks)
C	Discuss the importance of a unlimited types	some six major key attr	ibutes employed to describe land (6 marks)
đ	For a named brigation area	of your choice describ	e nature and effect, and assessment
	of some four land qualities ye		
	Define and explain the role of	land quality and land	characteristics in suitability (3 marks)
	Define and explain the role of	land quality and land	
٠.	Give a detailed description marks)	-	- 4
C .	Discuss the nature and effect,	and assessment of the i	and quanties;
	i) Excess salts	ii)	Availability of Nutrients
	iii) resistance to erosi	un iv)	Availability of oxygen
			(12marks)