NAME	- Pets.		
ADM NO			
SCHOOL	The free free	SIGNATURE	
AGRICULTURE	a Jisix www.		

AGRICULTURE
FORM FOUR
443/1
PAPER 1,05
MARCH/APRIL - 2013
TIME: 2HRS

PENTAGON JOINT EXAMINATION - 2013 WARENG DISTRICT

(Kenya Certificate of Secondary Education) K.C.S.E

Instructions:

- Write your Name and Index Number in spaces provided above
- This paper consists of three sections A, B and C
- Answer all questions in section A, and B and any other two questions in section C in the spaces
 provided in this booklet

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAX SCORE	CAN. SCORE
A	1-17	30	
В	18-21	20	
C	22-24	20	
		20	
TOTAL SCORE		90	

1 1PENTAGON 1ST term 2013

SECTION A (30 MARKS)

Instructions:	Answer	ALL th	he d	guestions	in	this	section	in	the s	spaces	provided	

1.	State two reasons for discouraging the use of fire in seedbed preparation	(1 mark)

2.	State four information contained in a land tittle deed	(2 marks)
3.	List four factors that influence the depth of planting.	(2 marks)
iee i		
, *		
4.	Differentiate between oversowing and undersowing.	(1 mark)
5.	Define the following terms as used in agricultural economics	
	a) Gross National Products(GNP)	(1 mark)
	b) National income	(1 mark)
6	List four ways of harvesting water in the farm	(2 marks)
7.	State two factors that would determine the amount of fertilizer to be top dressed to a crop in the	
		(1 mark)
8.	Highlight four importance of farm accounts.	(2 marks)

í 1PENTAGON 1ST term 2013

9.	State	two disadvantages of tissue cultures to the disadvantage of the disadvantage of tissue cultures to the disadvantage of the	(1 mark)				
		e ^x c ^x					
10.	State	four objectives of land reforms in Kenya.	(2 marks)				
		, e ^j ×					
		5					
11.	List	wo proper storage practices used in pest control.	(1 mark)				
re 12	a)	Give any four factors which determine the number of operations done in a field bet	fore it is ready for				
, _	u	sowing seeds.	(2 marks)				
	b)	State four cultural practices that can be used to control maize streak disease.	(2 marks)				
13	State	State the differences between					
	i)	A nursery bed and a seedbed	(2 marks)				
	ii)	Macronutrient and micronutrient	(2 marks)				

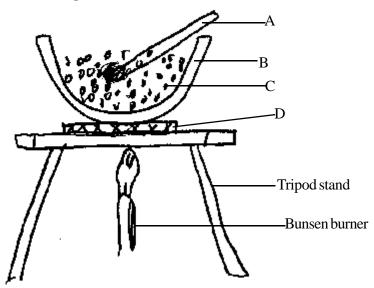
í 1PENTAGON 1ST term 2013

4.4	Rage Commencer of the C	(4 1)
14	Name any two diseases that affect bean production in the field	(1 mark)
	est cit	
15.	State four practices that should be carried out to maintain grass pastures.	(2 marks)
	J. di ^x	
	alers and a second a second and	
16.	What is increasing returns in a production function	(½ mark)
4	Ć _Ć	
¶7.	State three roles of trees in soil and water conservation.	(1 ½ marks

SECTION B. 20 MARKS

Answer ALL the questions in the spaces provided

18. The illustration below shows an experiment to find out the percentage of total water content of soil. Use it to answer the questions that follow.

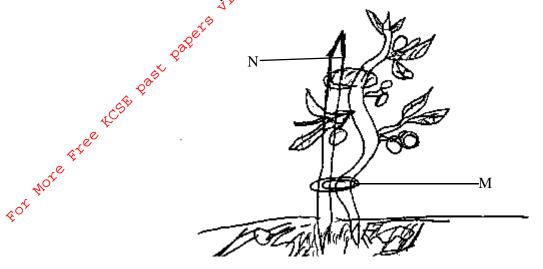


a)	Name the parts labelled	(2 marks)
	A	
	B	
	C	
	n	

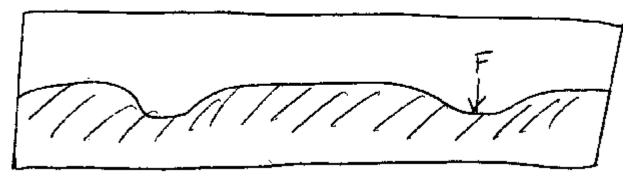
1 1PENTAGON 1ST term 2013

b)	Explain the procedure followed	(4 marks)
	_ _ _ X ^X	
	- S. C. S.	
	\$ ^t	

19. Below is a diagram that illustrates one of the field practices carried out on some crops. Study the diagram and answer the questions that follow.



- a) Identify the practice illustrated above. (½ mark)
- _____
- 20. Below is a diagram of a terrace. Study it and answer the questions that follow



		coth	
a)	Iden	tify the type of terrace illustrated.	(½ mark)
	b)	Name the part labelled F.	(1 mark)
	c)	Apart from the above named state any other three types of terraces.	(3 marks)
		, ø ^{j×}	
		\S	
21.	Give	three conditions for successful re-seeding in pasture management	(3 marks)
4	ÇÇŞ <mark>X</mark>		
ree			
SEC	TION	C (40 MARKS)	
Ansv	wer AN	Y TWO questions from this section in the spaces provided after question	24
22.	a)	Describe coffee harvesting under the following sub headings.	
	i)	Stage of harvesting.	(2 marks)
	ii)	Procedure of harvesting.	(7 marks)
	iii)	Precautions to be observed while harvesting coffee.	(3 marks)
	b)	Explain the cultural methods of soil erosion control.	(8 marks)
23	a)	Describe the procedure of silage making.	(10 marks)
	b)	Give four reasons why green manure is not commonly used.	(4 marks)
	c)	State six advantages of land consolidation.	(6 marks)
24	a)	Explain the different physical methods used in crop pest control.	(16 marks)
	b)	Name four disadvantages that farmers experience when they use synthetic type	pe of mulches.
			(4 marks)

1 1PENTAGON 1ST term 2013

í 1PENTAGON 1ST term 2013

í 1PENTAGON 1ST term 2013