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AGRICULTURE 443/1 FORM FOUR 1ST TERM 2016 2 HRS.

Kenya Certificate of Secondary Education AGRICULTURE 443/1 FORM FOUR 1st TERM EXAMINATION 2016

Instructions

- This paper consists of three sections A, B and C
- Answer all the questions in sections A and B
- Answer any two questions in section C

For Examiner's Use Only

Section	Questions	Maximum marks	Candidate score
A	1 - 15	30	
В	16- 18	20	
C	19- 21	40	
	Grand total	90	

This paper consists of 9 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A (30 MARKS) er all the questions in this section

State four roles of trees in soil conservation.	(2 mark
ist four human factors which hinder agricultural development.	(2 marks
·	
Give four functions of phosphorous in tomato growing.	(2 mark
	(O montz
State four sites to avoid when sampling soil .	(2 marks
State four sites to avoid when sampling soil .	(2 marks
	(2 marks
	(2 marks
	(2 marks
State four reasons for water treatment.	
	(2 mark
State four reasons for water treatment. Outline four measures used to control river bank erosion.	(2 mark

State four reasons for staking tall varieties of tomatoes.	(2 marks
Give two reasons as to why sorghum is drought resistant.	(1 marks
State two ways in which pasture is utilized.	(1 mark
	(0
State four reasons for paddocking.	(2 marks
What are four causes of seed dormancy.	(2 mark
State four product-product relationship in agricultural economics .	(2 mark
	v-y a mwake ka masa wa Afran
Give four benefits of tissue culture in crop propagation.	(2 mark

Name three viral diseases transmitted by aphids.	(1 ½ marks)
How can aphids be controlled biologically in crops?	(½ mark)
List four methods of land acquisition.	(2 marks)
SECTION B (20 Marks) Answer all the questions in this section in the s	paces provided
	swer the questions th
Study the diagram below of a grazing system and then ar follow	•
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Study the diagram below of a grazing system and then are follow	
Study the diagram below of a grazing system and then are follow **PADOXX2 1. PADOXX23	
Study the diagram below of a grazing system and then are follow PADOOCK 2. 1 PADOOCK 3. 1 PADOO	

State five advantages of the illustrated system of grazing	ng (5 mar)
	-
Rubber corks String Conical flask Rubber corks	
Lime A	water B
What was the aim of the experiment?	(1 mar
·	
	led A and B . (2 mark
Give one observation that was made in each flask label A	

Give a reason for each of your answers in (b) above	(2 marks)
A leason for care	
В	
State two benefits of soil micro-organisms.	(2 marks
State two benefits of	
Describe the procedure of silage making	(6 marks
Describe the process	

SECTION C (40 marks) ANSWER ANY TWO QUESTIONS IN THIS SECTION

xplain five reasons why green manure is not commonly us	(10 marks)

Describe the field production of beharvesting.	(2	0 marks)
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State four phi	octives of land s	ottlement and	resettlement	(8 marks)
State four obj	ectives of land so	ettlement and	resettlement	(8 marks)
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