NAME	ADMISSION NUMBER
443/1	
AGRICULTURE	
TIME:2 HOURS	
AGRICULTURE	
PAPER ONE	
NOVEMBER 20 21	EXAMINATION
TIME 2HOURS	

INSTRUCTIONS TO CANDIDATES.

- Write your name and admission number in the spaces provided.
- Answer all questions in the spaces provided.
- This question paper consists of three sections A, B and C.
- Answer all the questions in sections A and B any two questions from section C.
- Answers should be written in the spaces provided.
- The paper consists of 11 printed pages

For Examiner's use only

on	tion	mum score	idate's score

Candidates should check the question paper to ascertain that all the pages are printed as indicate and no questions are missing.

SECTION A

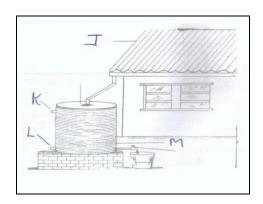
1.	State four advantages of shifting cultivation.	2mks
2.	Give four characteristics of Horizon A in a soil profile	2mks
3.	Differentiate between soils formed in 'situ' and soil formed in deposition.	1mk
4.	State three factors which determine the depth of ploughing during land prepara	ation. 1½mk
5.	What is secondary cultivation.	½mk

6.	State four types of water pumps.	2mks
7.	Give four reasons as to why green manure is not commonly used by farmers	2mks
•••••		
8.	State four importance of keeping proper and up to date farm records. 2mks	
•••••		
9.	State four characteristics of Nitrogenous fertilizers.	2mks
•••••		
10	O. Give four advantages of using seeds as planting materials.	2mks
•••••		

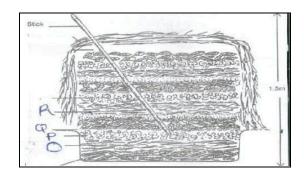
11. State four advantages of budding in crop production.	2mks
	••••
12. Outline four advantages of organic mulching in farming.	2mks
13. Why is it not advisable to use organic manure when growing carrots .Give two re	
14. a)Give four ways of acquiring land.2mks	
b)Outline four general objectives of the million acreschems.4mks	
	· · · · ·
15. State four types of soil erosion.	2mks
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SECTION B(20mks)Attempt all questions in this section

16. The diagram below shows one way of harvesting water. Study the diagram and answer the questions which follows.



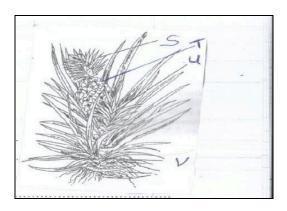
	a.	Identify the method of harvesting water above	½mk
		Name the parts labeled .	2mks
K.			
	c.	Give one reason as to why the part M should be covered.	½mk
•••	d.	State one maintenance practice labeled that must be carried out on the part labele M.1mk	d
17	 . Stı	udy the diagram below carefully and answer the questions that follow.	•



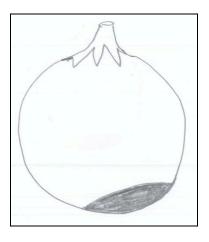
18. A farmer applied 200kg of CAN (20%N) per hectare in his five hectares of maize crop. Calculate the amount of Nitrogen the farmer applied on his crop .Show your working.4mks

19. Study the diagram below and answer the questions below.

d. What is the use of the stick in the structure 1/2 mk



a.	Name the parts labeled	2mks	
S.			
T.			
U.			
V.			
b.	Apart from the above crop .Name any other v.1mk	er two crops which are propagated using par	t
c.	Why are part S and U more preferred than	1 1 6 6 1	
•••••			• • •
	ne diagram below shows a certain disease of destions that follow.	tomatoes .Study the diagram and answer the	3



a. Identify the disease	1mk
b. Give two causes of the disease above.	2mks
c. Give one way of controlling the above disease.	1x1=1mk
SECTION C(40MKS)(ANSWER ONLY TWO QUESTIONS 21. (a)Discuss the importance of Agriculture to the economy	
Explain the influence of soil depth on crop production.	5mks

Give five reasons for carrying out minimum tillage.	5mks
nive five reasons for earrying out infilling timage.	JIIKS
Explain the importance of treating water in the farm.5mks	
	• • • • • • • • • • • • • • • • • • • •

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(b) W	hat is th i.	he meaning of the following terms as used in Agricultural production. Agricultural economic	4mks
	ii.	Scarcity	
	iii.	Preference and choice	
	iv.	Opportunity cost.	
	(c)	State two conditions under which the opportunity cost is equal to zero	1mk
	• •		
	(d	Outline procedure of soil sampling.	5mks
	•••••		
	•••••		
	• • • • • • • • • • • • • • • • • • • •		

(e) Describe the chemical method of breaking seed dormancy .	5mks
23. (a) Describe the importance of crop rotation .	5mks
b) Explain the importance of having a title deed.	5mks

(c) discuss the role of trees in soil and water conservation.	5mks
(d) Outline the harmful effect of weeds.	5mks