Name	Index No
Signature	Date

443/1 AGRICULTURE PAPER 1 MARCH/APRIL, 2020 2 HOURS

# **MOKASA 1 JOINT EXAMINATION**

## K.C.S.E MOKASA EXAMINATION

443/1

### **AGRICULTURE**

PAPER 1 MARCH/APRIL, 2020 2 HOURS

## INSTRUCTIONS TO CANDIDATES

- 1. Write your name and index number in the spaces provided above.
- 2. This paper consists of three sections A, B and C.
- 3. Answer all questions in Section A and B
- 4. Answer any two questions from Section C
- 5. Answer to ALL questions MUST be written in this booklet.

#### FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S
			SCORE
A	1-18	30	
В	19-22	20	
С		20	
		20	
	TOTAL SCORE	90	

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# **SECTION A: (30 MARKS)**

# Answer ALL questions in the spaces provided.

1.	Give <b>four</b> activities that may be undertaken in organic farming.	(2 marks)
2.	State <b>four</b> harmful effects of wind on crop production	(2 marks)
	of the second	
	, comment of the second of the	
3.	Give the general name of chemicals used to control;  a) Weeds	(½ mark)
	b) Leaf rust in coffee	(½ mark)
4.	State <b>four</b> practices that can be used to improve water logged clay soils	(2 marks)
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	and make	
	······································	
5.	State <b>four</b> factors considered when selecting planting materials	(2 marks)
	w	
6.	Give <b>two</b> causes of blossom-end rot in tomatoes	(1 mark)

<i>/</i> .	Give <b>four</b> pieces of information contained in a land title deed.	(2 marks)
		•••••
3.	Name <b>three</b> macro-nutrient elements whose deficiency symptom is chlorosis	
).	State <b>two</b> water treatment processes that take place in the coagulation and sedimentary s	
	A Septiment of the second of t	•••••
10.	State <b>four</b> reasons for pruning fruit crops	(2 marks)
	Marie Contraction of the Contrac	
	State <b>four</b> disadvantages of intercropping	
1.	State <b>four</b> disadvantages of intercropping	(2 marks)
	Name <b>three</b> practices carried out to improve and maintain permanent pastures	
2.	Name <b>three</b> practices carried out to improve and maintain permanent pastures	
13.	State <b>four</b> cultural practices of weed control in beans	(2 marks)

_	ges of timely harvesti	ing of crops		(2 marks)
				• • • • • • • • • • • • • • • • • • • •
List <b>three</b> tertiary o		be carried out in a seedb	ed	(1½ mark
				• • • • • • • • • • • • • • • • • • • •
Give <b>two</b> reasons fo	or locating a nursery	bed at a well sheltered	place of	(1 mark)
			etpak	
List <b>four</b> disadvant	ages of using compo	st manure in crop produ		(2 marks)
		of M.		
•••••	••••	ng of the seedbed is imp	••••	
		<u>.</u>		
C' 41	why timely playabis	a e f the e e e dhe e die insu	outout in onen musi	luction
Give <b>three</b> reasons	wify unlery ploughing	ng of the seedbed is imp	ortant in crop proc	
	i i i i i i i i i i i i i i i i i i i	ng of the seedbed is imp	1 1	(1½ mark
	i i i i i i i i i i i i i i i i i i i	1		(1½ mark
	Te vision material visit word			(1½ marks
	Te vision material visit work			(1½ mark
	ole tee leisof freteriol vieit www.			(1½ mark
, of the	SECTIO	N B: (20 MARKS)		(1½ mark
Answer ALL the qu	SECTIO  uestions in this section		e <b>d.</b>	(1½ mark
Answer ALL the quantum Answer has four pan agronomic probl	SECTIO  sestions in this section  of the P1, P2, P3 and P4  em as indicated.	N B: (20 MARKS)  on in the spaces provide as shown in the diagram	ed. m below. Each of	(1½ mark
Answer ALL the quarter has four p	SECTIO  uestions in this sections P <sub>1</sub> , P <sub>2</sub> , P <sub>3</sub> and P <sub>4</sub>	N B: (20 MARKS)  on in the spaces provide as shown in the diagram  P3	e <b>d.</b>	(1½ mark
Answer ALL the quality Answer has four pan agronomic problem.	SECTIO  sestions in this section  of the P1, P2, P3 and P4  em as indicated.	N B: (20 MARKS)  on in the spaces provide as shown in the diagram	ed. m below. Each of	(1½ mark

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crop the farmer should grow in each of the plots	(2 marks)
•••••••••••••••••••••••••••••••••••••••	
b) Outline the procedure of transplanting tree seedlings from polythene sleeve	s. (3 marks)
Study the illustration below and answer questions that follow.	
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a) Identify the management practice indicated above.	(1 mark)
Study the illustration below and answer questions that follow.  Study the illustration below and answer questions that follow.  Study the illustration below and answer questions that follow.  Study the illustration below and answer questions that follow.  Study the illustration below and answer questions that follow.  Study the illustration below and answer questions that follow.	
a) Identify the management practice indicated above.	
and the second s	
a) Identify the management practice indicated above.  b) Give <b>three</b> problems that could arise if the above practice is not carried out	
a) Identify the management practice indicated above.  b) Give <b>three</b> problems that could arise if the above practice is not carried out	(3 marks)
b) Give <b>three</b> problems that could arise if the above practice is not carried out	(3 marks)
b) Give <b>three</b> problems that could arise if the above practice is not carried out	(3 marks)

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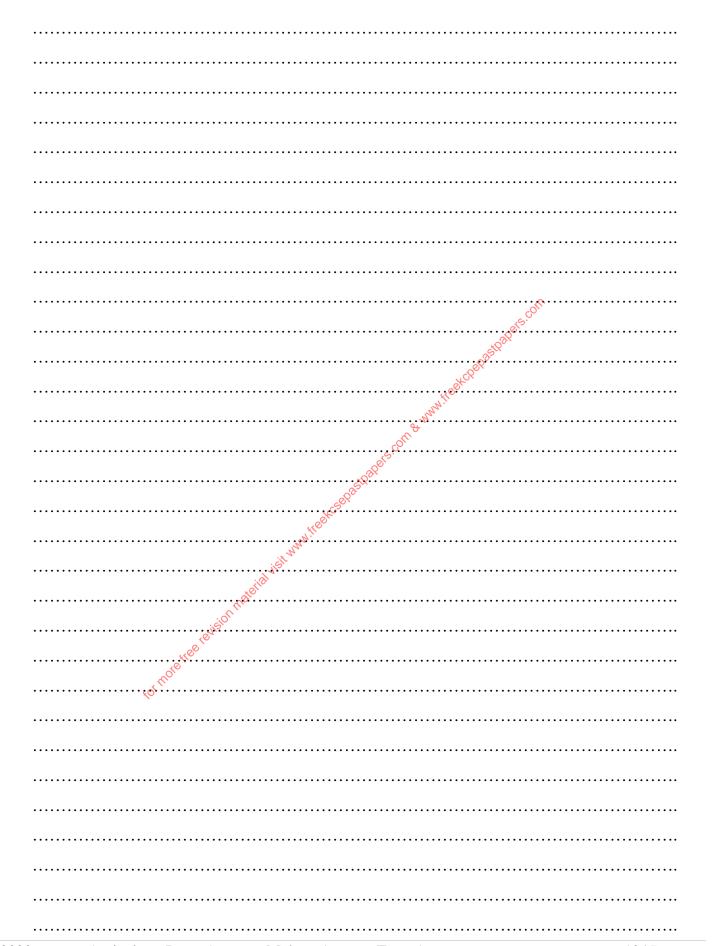
21.	The diagram below illustrates carefully and answer the quest	an experiment carried out by a Form or cions that follow.	ne student on soil. Study it
	a) State the aim of experimen	it above.	(1 mark)
	b) Identify the soil samples in	each of the funnels labeled Q and R	(2 marks)
	c) Give <b>two</b> ways in which the	ne soil structure of the sample labeled S	
		ali si il man	(2 marks)
		<u>a</u> ai <sup>ito</sup>	
22.	The diagram below illustrates questions that follow.	a method of preparing compost manure	e. study it and answer the
	questions that follow.		
	a) Identify the method illustra	ated above.	(1 mark)
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c) ;	State <b>two</b> desirable factors considered when siting compost manure pit.	(2 marks)
••••	SECTION C: (40 MARKS)	
Ans	wer any TWO questions from this section in the answer sheets attache	ed.
a)	Describe the production of beans under the following sub-topics;	
	(i) Planting	(4 marks)
	(ii) Field practices	(4 marks)
	(iii) Harvesting	(4 marks)
b)	Outline <b>six</b> safety measures undertaken in the use of herbicides to mi	inimize
٠,	environmental pollution.	(6 marks)
c)	Describe the precautions taken into account during harvesting of cott	,
<b>C</b> )	Describe the productions taken into decount during har besting or con-	(Timerks)
a)	Explain <b>ten</b> farming practices carried out to control crop diseases	(10 mark
b)	Outline <b>six</b> steps followed in the adjudication of land	(6 marks)
c)	Explain the <b>four</b> different methods of farming	(4 marks)
,		`
a)	Explain ten factors that can encourage soil erosion	(10 mark
b)	Explain <b>five</b> effects of liberalization of agricultural markets to farming	ng in Kenya
	w.Hee	(10 mark
	Sit Mark	
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