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AGRICULTURE	, e ² 00*	
Paper 1	4000	
MARCH/APRIL 2015	~ e°	

CROSS COUNTRY EXAMS 2015

Kenya Certificate of Secondary Education AGRICULTURE

Paper 1

Time: 2 hours

Time: 2 hours

Instructions to candidates:

Write your name and index number in the spaces provided above. Sign and write the date of examination in the spaces provided above. This paper consists of **THREE** Sections **A**, **B** and **C**.

Answer all questions in Section **A** and **B** and any **Two** in Section **C**.

All answers must be written in the spaces provided.

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
Α	1 - 17	30	
В	18 - 22	20	
С		20	
		20	
Total	Score	90	

SECTION A: (30 MARKS) Answer all questions from this section in the spaces provided.

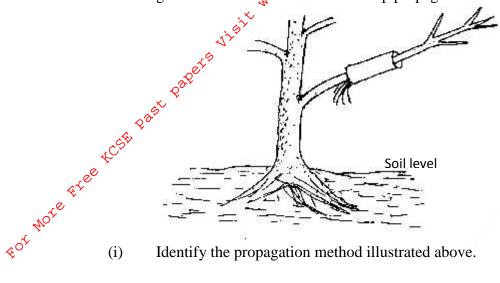
1.	Differentiate between: (a) Extensive and intensive farming systems.	(1 mark)
	Aite in the second seco	(1)
	(b) Aqua culture and apiculture.	
	4CSE	
\$ Jee	(b) Aqua culture and apiculture.	(1 mark)
more free		
2.	State two disadvantages of pastoral nomadism system of farming.	(1 mark)
3.	State two ways in which soil depth influences crop production.	(1 mark)
4.	Give two ways of increasing light intensity in crop production.	(2 marks)
5.	Name two types of micro-catchments commonly used in water conservation.	(1 mark)
6.	Give four ways of acquiring land for agricultural use in Kenya today.	(2 marks)

443/1

SECTION B: (20 MARKS)

Answer all the questions in this section in the spaces provided.

The diagram **below** shows a method of crop propagation. 18.



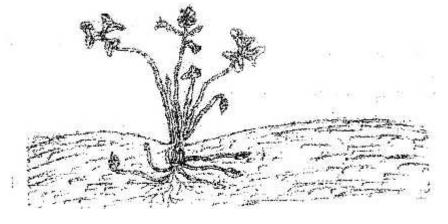
Identify the propagation method illustrated above.

(1 mark)

(ii) State three ways of initiating faster root development in propagation method illustrated.

(3 marks)

19. Study the diagram **below** and answer the questions that follow.



- (i) Identify the weed. (1 mark)
- (ii) State the reason why it is hard to control the above named weed. (1 mark)

Classify the above weed according to the life cycle. (iii)

Name **one** alternate host of the pest in the diagram.

(1 mark)

(iii)

22.	(iv)	State two methods of controlling the pest.	(2 marks)
22.		e ^{xt}	
22.			
22.		8,7	
22.		The state of the s	
	A plot spacing Calculation	of land measures 6.6m long by 3.6m wide. The plot is prepared for planting calg of 60cm by 60cm. the outermost row start 30cm from the edges all around the late:-	bbages at a plot.
	(i)	the number of rows falling on the width side of the plot.	(1 mark)
	20	<u> </u>	
, .e	(GE)E	the number of cabbages seedlings that should be planted in the plot. (Show you	ar working). (2 marks)
&.			
	SECT	ION C: (40 MARKS)	
		ION C: (40 MARKS) er any TWO questions in this section in the spaces provided after question 2	<u>5</u> .
22	Answe	er any TWO questions in this section in the spaces provided after question 2	<u>.5</u> .
23.	Answe Descri	be the production of irrigated rice under the following sub-headings.	
23.	Answe	er any TWO questions in this section in the spaces provided after question 2	. 5. (7 marks) (5 marks)
23.	Answer Describ	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application	(7 marks) (5 marks) (3 marks)
23.	Answer Description (a) (b)	be the production of irrigated rice under the following sub-headings. Land preparation. Water control.	(7 marks) (5 marks)
	Describe (a) (b) (c) (d)	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application Weed control.	(7 marks) (5 marks) (3 marks)
	Answer Describ	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application	(7 marks) (5 marks) (3 marks)
	Describe (a) (b) (c) (d)	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application Weed control. Explain various management practices that can be carried out by a farmer to	(7 marks) (5 marks) (3 marks) (5 marks)
	Answer Description (a) (b) (c) (d) (a)	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application Weed control. Explain various management practices that can be carried out by a farmer to maintain soil fertility on his farm.	(7 marks) (5 marks) (3 marks) (5 marks)
23.24.25.	Answer Describ (a) (b) (c) (d) (a) (b)	be the production of irrigated rice under the following sub-headings. Land preparation. Water control. Fertilizer application Weed control. Explain various management practices that can be carried out by a farmer to maintain soil fertility on his farm. Explain five ways in which soil loses its fertility.	(7 marks) (5 marks) (3 marks) (5 marks) (10 marks)

443/1