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SECTION A (30 marks)

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

State for	our ways of draining swampy land for vegetable production.	(2 marks)
*******	······································	••••••••••••
******	······································	•••••
*******		••••••

State f	our factors that determine the quality of farm yard manure.	(2 marks)
******		••••••
••••••	· · · · · · · · · · · · · · · · · · ·	
•••••		
Give f	our reasons why land fragmentation is common in Kenya.	(2 marks)
		••••••
	·,····································	••••••
	form tymes of soil exection that econom an atom clanes	(2 marks)
Name	four types of soil erosion that occur on steep slopes.	(2 marks)
••••••	•••••••••••	
••••••		***************************************
••••••		••••••
••••••		
Give tv	vo examples of each of the following crop pests:	(2 marks)
(a)	Download this and other FREE revision materials from https://teacher.co.ke/note	es e

(a)

	(b) rodents	
6	State four symptoms of viral diseases in crop production.	(2 marks)
7	Give four characteristics of black jack (Bidens pilosa) that make it more co	mpetitive than beans. (2 marks)
		••••••••••••
ner.co.ke/note	Give four reasons why tea farming is important to Kenya's economy.	(2 marks)
		••••••••
EE materials from	Name four factors of production in sugarcane farming.	(2 marks)

Download this Of the second s	State four pieces of information recorded in a master roll.	(2 marks)
	***************************************	***************

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11	State four ways in which soil pH affects crop production in Kenya.	(2 m
	······································	•••••••••••
		•••••••
12	State four sites a farmer can establish agroforestry trees on the farm.	(2 mai
		•••••••••••
		•••••••••••
		······································
13	Give four advantages of timely planting in finger millet production.	(2 mark
	•••••••••••••••••••••••••••••••••••••••	
	•••••••••••••••••••••••••••••••••••••••	
14	Give four sources that provide knowledge and skills on farming to farmers in Kenya.	(2 marks
		
		•••••••
15	Give four advantages a farmer with a title deed has over the one who does not have.	(2 marks

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SECTION B (20 marks)

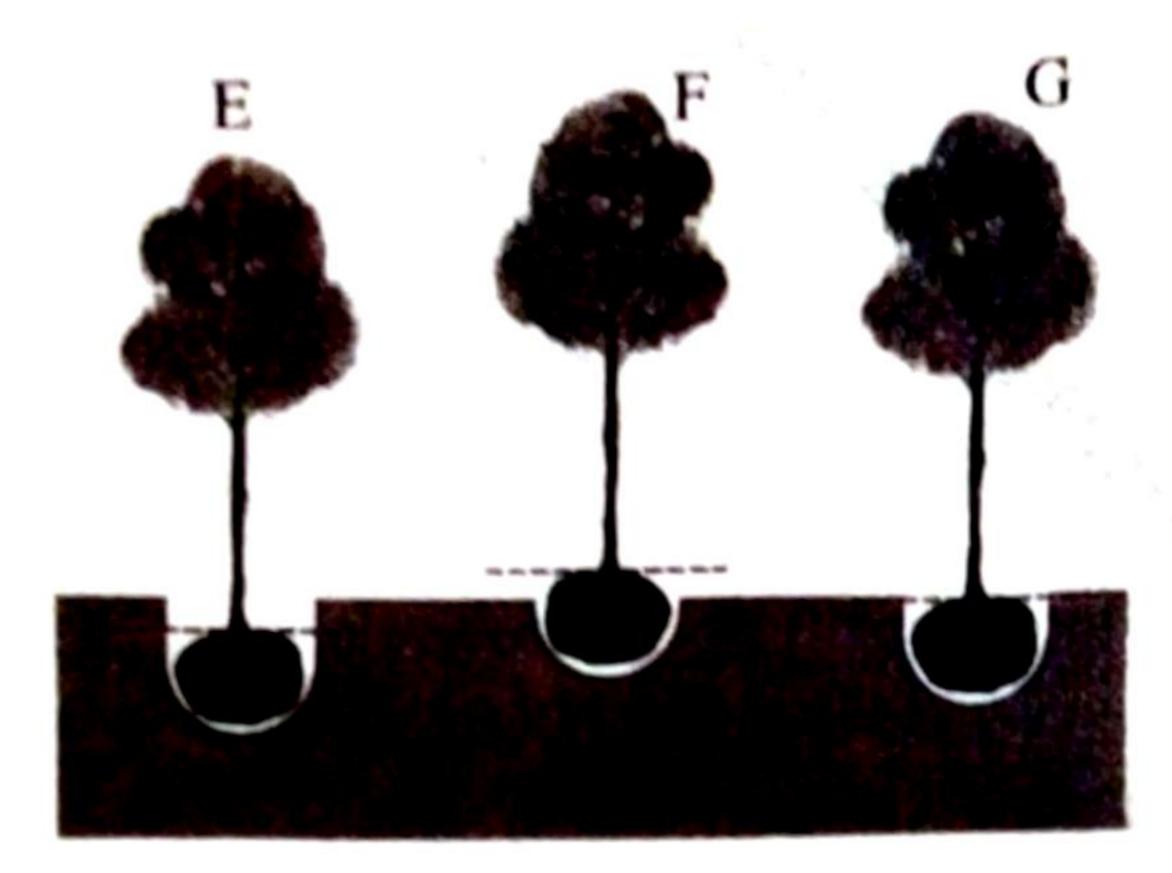
Answer all the questions in this section in the spaces provided.

The following picture shows a field pest of cotton.



(a)	Identify the pest.	(1 mark)
(b)	Classify the pest based on the mode of feeding.	(1 mark)
(c)	State two damages caused by the pest.	(2 marks)
(d)	Give one control measure for the pest.	(1 mark)

17 The following diagram shows how agroforestry tree seedlings were transplanted.



(a)		Identify the tree seedling that was correctly transplanted.		(1 mark)
	(ii)	Give a reason for the answer in (a)(i).		(1 mark)
(b)		three management practices that were carried out immediately edlings.	after transp	olanting (3 marks)
•••••	••••••	•••••••••••••••••••••••••••••••••••••••		
•••••	••••••	•••••••••••••••••••••••••••••••••••••••	••••	•••••
The c	rop is to	nted coffee seedlings on a 0.5 hectares of land at a spacing of 2 be top dressed with Calcium Ammonium Nitrate (CAN) fertigN per hectare.		75 m.
The c	rop is to	nted coffee seedlings on a 0.5 hectares of land at a spacing of 2 be top dressed with Calcium Ammonium Nitrate (CAN) fertigN per hectare.		75 m.
The c	f 100 kg	nted coffee seedlings on a 0.5 hectares of land at a spacing of 2 be top dressed with Calcium Ammonium Nitrate (CAN) fertigN per hectare.		75 m. V) at the
The corate of	f 100 kg	nted coffee seedlings on a 0.5 hectares of land at a spacing of 2 be top dressed with Calcium Ammonium Nitrate (CAN) fertigN per hectare.		75 m. I) at the (2 marks

(1 mark)

quantity of CAN fertilizer the farmer requires;

(c)	cost of the fertilizer required if the subsidized price of a 50 kg bag of CAN is KSh. 2,500.	(2 mark
••••••		
•••••		
••••••		••••••
(a)	Identify the weed labelled:	
	J	(1 ma
	K	(1 ma
(b)	State two characteristics that make the weed labelled J more competitive than	1 crops. (2 mar
•••••		
(c)	Give one harmful effect of the weed labelled H during harvesting of wheat.	(1 ma

(b)

SECTION C (40 marks)

Answer any two questions from this section in the spaces provided after question 22.

Describe onion production under the following sub-headings:

(a) nursery establishment;

(10 mark

(b) field management practices.

10 mark

21 (a) Describe the production of grain maize under the following sub-headings:

(i) land preparation;

(3 mark

(ii) planting;

(4 mar)

(iii) field management practices;

(5 mark

(4 mark

(iv) harvesting.

(4 mar)

(b) Describe the utilization of napier grass as a fodder crop.

(6 marks

(a) Explain the importance of three layers of the soil profile in crop production.

(b) Describe any five physical measures farmers use to control soil erosion.

(5 marks

(c) Give five roles of a farm manager in agricultural business enterprise.

(5 marks)

(d) A poultry farmer bought two bags of layers mash on 3rd March 2023 and another three bags of layers mash on 17th March 2023 at a price of KShs 3,500 per bag. On 20th May 2023, the farmer sold 30 trays of eggs and another 20 trays of eggs on 28th May 2023 at a price of KSh 400.00 per tray.

Enter the above transactions in the ledger account using the format below.

(4 marks

DR			CR				
Date	Particulars	Folio	Amount	Date	Particulars	Folio	Amount