SECTION A (30 marks)

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

1.	Give four reasons for intercropping in crop production.	(2 marks

2.	State four characteristics of extensive farming system.	(2 marks)
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	wile of the same o	
3.	State four minimum tillage practices. Jish munimum tillage practices.	(2 marks)
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	tot Works	
	Give four reasons why burning of land is discouraged.	(2 marks)

State four functions of Young Farmers' Clubs.	(2 marks)
Distinguish between a perfect and an imperfect market.	(1 mark)
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e Paris Comment of the Comment of th	made state of
State four reasons for practising intensive hedgerow agroforestry.	(2 marks)
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State four management practices in intensive hedgerow agroforestry.	(2 marks)
	Andrew Commence
	Distinguish between a perfect and an imperfect market. State four reasons for practising intensive hedgerow proforestry.

9.	State	e the meaning of each of the following terms as used in crop production:	
	(a)	crop rotation	(1 mark
	(b)	pruning	(1 mark
	(c)	rogueing.	(1 mark)
10.	State	four factors that determine the depth of planting.	(2 marks)
		THE THE PARTY OF T	••••••
		four factors that determine the depth of planting. Our disadvantages of broadcasting seeds during planting.	
		- Notes	
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11.	State fo	our disadvantages of broadcasting seeds during planting.	(2 1-)
		to the manufacture of the second seco	(2 marks)
			n white

12.	State	four characteristics of	f a good site for a nursery bed.	(2 marks)

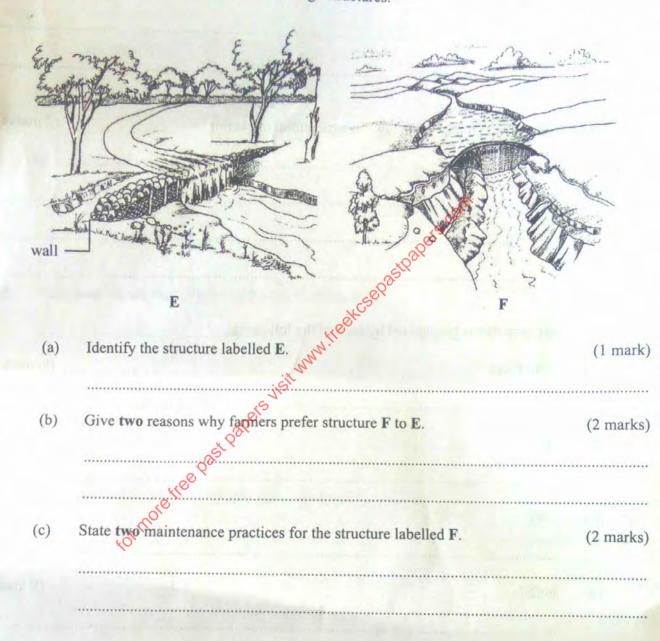
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13.	Name	e four types of market	t structures in agricultural marketing.	(2 marks)
	******		Residence Communication of the	
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1.4	N		and the contract of the contra	
14.	Nam	e one crop that is proj	pagated by each of the following:	(1/ month)
	(a)	stem tuber	man.	(½ mark)
	m Sta		pagated by each of the following:	(1/ 1)
	(b)	split	t Page.	(½ mark)
	(c)	slip to those	allocal santours, of the gry moin and a	(½ mark)
		kor)		
	(d)	bulbil.		(½ mark)
15.	Stat	e four advantages of	using certified seeds.	(2 marks)
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SECTION B (20 marks)

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

16. The diagram below illustrates water storage structures.



17. A farmer has a piece of land on which he can grow maize, cabbages and beans. The expected yields and selling prices of the three crops are shown below.

Crop	Yield (kg)	Selling prices (Ksh/kg)
Maize	4000	40
Cabbages	2800	60
Beans	3000	80

If the cost of producing any of the three crops is the same

(a)	Whi	ich crop should the farmer grow? Show your working.	(2 marks)
		made of the second seco	

		ii wan.	
	*******	State the farmer's Spportunity cost.	
<i>a</i> >		ast pay	
(b)	(i)	State the farmer's opportunity cost.	(1 mark)
	(ii)	Give of eason for your answer in (b) (i) above.	(1 morts)
	(11)	Give a reason for your answer in (b) (i) above.	(1 mark)
c)	Give	a reason why farmers always have to make a choice on the enter	erprise to implement
	on th	e farm.	(1 mark)

	*********		and the same of th

18.	The fo	llowing	is a	list of	plant	nutrients
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Copper, calcium, nitrogen, molybdenum, zinc, phosphorous, carbon, sulphur, iron and magnesium.

(a)	Whi	ch one of the above plant nutrients is mainly known for	
	(i)	promoting root development	(1 mark)
	(ii)	preventing blossom end rot disease	(1 mark)
	(iii)	Strengthening plant stalks to prevent lodging.	(1 mark)
(b)	Name	two forms in which nitrogen is absorbed from the soil by plants.	(2 marks)
		2 St. C.S. C.S. C.S. C.S. C.S. C.S. C.S.	
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		e two forms in which nitrogen is absorbed from the soil by plants. Fleakes Past Pagers visit www. Fleakes Pagers visit w	





19.	A farmer is advised to apply 60 kg N , $20 \text{ kg P}_2\text{O}_5$ and $30 \text{ kg K}_2\text{O}$ per nectare. Careans (50% K ₂ O) quantity of urea (46% N), single super phosphate (20% P ₂ O ₅) and muriate of potash (50% K ₂ O) the farmer should apply on his 10 hectares land.
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	40 miles

SECTION C (40 marks)

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

20.	(a)	Describe eight methods used in water harvesting.	(8 marks)
	(b)	Describe nine ways in which biotic factors influence agricultural production.	(9 marks)
	(c)	Describe the preparation of green manure.	(3 marks)
21.	(a)	Describe seven harmful effects of crop pests.	(7 marks)
	(b)	Describe eight safety measures a farmer should observe when using herbicide control weeds.	s to (8 marks)
	(c)	Describe the harvesting of coffee. Give five reasons why early defoliation is discouraged in pasture utilisation.	(5 marks)
22.	(a)	Give five reasons why early defoliation is discouraged in pasture utilisation.	(5 marks)
	(b)	Described five field management practices for onions.	(5 marks)
	(c)	State five disadvantages of communal hand tenure system.	(5 marks)
	(d)	State five characteristics of variable inputs.	(5 marks)
		State five characteristics of variable inputs.	
		kot Woter	
