	443/1,	443/2 agricult	ure
	NANDI NORTH AND NANDI CENTRAL JOINT EXAMINATIONS 2016		
	443/1		
	AGRICULTURE		
	PAPER 1		
	SECTION A (30 MARKS)		—
	Answer ALL Questions in the Spaces Provided		
1.		(2mks)	
1.		(1mk)	
2.		(11/2mks)	
3.		$(1\frac{1}{2}$ mks)	
3. 4.		$(1\frac{1}{2}$ mks)	
4.		(172HKS)	
	(i) Close Season:		
	(ii) Trap Cropping:		visit: www.freekcsepastpapers.com or call 0720502479
_	(iii) Integrated Pest Management (IPM):	/1 1\	24
5.		(1mk)	000
6.		(½ mk)	05
	(b) Give <u>three</u> examples of Working Capital employed by a farmer in the production of maize.		72
7.	(a) State three reasons why forage crops used for making silage should be harvested just before flowering stage		0
		$(1\frac{1}{2}mks)$	=
	(b) Outline <u>three</u> roles of additives in making silage.	$(1\frac{1}{2}mks)$	$\ddot{\circ}$
8.	Name the form in which the plant absorbs the following nutrients.	$(1\frac{1}{2}mks)$	Ö
	(i) Nitrogen:	` ,	Ε
	(ii) Phosphorus:		Ö
	(iii) Calcium:		0.0
9		(1mk)	5
	Give three reasons why seeds may fail to germinate after planting.	$(1\frac{1}{2}\text{mks})$	ğ
		(17211ks) (1mk)	g
			ISt
		(2mks)	ed
		(1½mks)	Se
		$(1\frac{1}{2}\text{mks})$	Ö
15.		(1mk)	<u>ā</u>
	(i) Invoice:		fe
	(ii) Delivery note:		>
		(2mks)	≶
		$(1\frac{1}{2}$ mks)	\geq
18.	State <u>four</u> types of terraces.	(2mks)	; ;
19.	State <u>two</u> factors which determine the soil colour.	(1mk)	-83
	SECTION B (20 MARKS)		S
	Answer all questions in the spaces provided in this section		ē
20.	The diagrams below illustrate both a nursery and a field practice.,		ab
		(2mks)	0
		(2mks)	St
		(2mks)	d
21	Below is a diagram showing a crop disease.	(Φ
		(1mk)	Ę.
		(1mk)	Ð
	· · · · · · · · · · · · · · · · · · ·	(1mk)	for more free past paper
		(1111k) (1mk)	Ξ
			Ö
22		(2mks)	
22.	A farmer wishes to change her enterprise from vegetable production to dairy cattle rearing. The costs she	incurs in i	me
	growing of vegetable are as follows:-		
	Weeding Shs. 400		
	Pruning Shs. 600		
	Harvesting Shs. 700		
	Chemicals Shs. 1,200		
	When she changes her enterprise to dairy cattle rearing, she incurs the following costs:		
	Cost of buying cattle Shs. 20,000		
	Disease control Shs. 200		
	Salary of milk person Shs. 3,000		
	Fencing Shs. 1,000		
	The revenue she gets when growing tomatoes is Sh. 16,000. In dairy cattle production, the revenue she gets fro	m milk sale	is
	sh. 25,000 and manure sale sh. 3,000.		. 20
		(3mks)	
23	The Diagrams below show some common weeds. Study them and answer the questions that follow.	(Juno)	
23.	2 agrand octon blon bonic common weeds. Dudy them and answer the questions that follow.		

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	(i) Identify the weeds E and K.	(1mk)	
	(ii) State <u>two</u> economic importance of weed E.	(2mks)	
	(iii) State <u>one</u> problem associated with the use of herbicide in the environment.	(1mk)	
	SECTION C		
	Answer any two questions in the spaces provided		
24.	(a) Describe the field production of beans under the following sub-headings:		
	(i) Ecological requirements	(2mks)	
	(ii) Planting	(3mks)	
	(iii) Diseases and their control.	(6mks)	
	(b) Describe various factors affecting spacing in crops.	(9mks)	
25.	(a) State <u>five</u> qualities of a good manager.	(5mks)	
	(b) State and explain <u>five</u> functions of a manager in a farm.	(5mks)	
	(c) Explain ten factors influencing the supply of a commodity.	(10mks)	0
26.	(a) Describe <u>five</u> ways through which soil looses fertility.	(10mks)	47
	(b) Explain <u>five</u> factors considered in choosing seed rates.	(5mks)	02
	(c) Explain <u>five</u> reasons why seedlings are raised in a nursery.	(5mks)	050247
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