443/2

AGRICULTURE

Paper 2



(Theory)

Mar. 2022 - 2 hours

Name	Index Number
Candidate's Signature	Date

2021 KOSE 2021 R

Instructions to candidates

- (a) Write your name and index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of three sections; A, B and C.
- (d) Answer all the questions in sections A and B.
- (e) Answer any two questions in section C.
- (f) All answers should be written in the spaces provided.
- (g) This paper consists of 16 printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (i) Candidates should answer the questions in English.

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1-15	30	
В	16–19	20	
C		20	
C		20	
	Total Score	90	





COSE 2021 MCSE 2

SECTION A (30 marks)

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

Give four ma	intenance practice	es carried out on a	knapsack sprayer.		(2 marks)
		<u> </u>			
	= 1		9.5		
				(ions to oursel)	DW 1 - 1
State four rea	asons why rabbits	are kept by farme	rs in Kenya.		(2 marks)
				NAME OF TAXABLE	
					re III.
					3 11
State four m	aintenance practice	es carried out on	a piggery unit.		(2 marks
					(2 1
Name the fo	ur stomach compa	artments of a rumi	nant.		(2 marks
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5.	Sta	te four causes of stress in poultry.	(2 marks)			
	••••					
	••••					
	,		H. 199			
6.	Giv	e one reason why the milkman should:				
	(a)	milk at regular intervals	$(\frac{1}{2} \text{ mark})$			
7		C FOTERENAR III.				
	(b)	avoid milking with wet hands	$(\frac{1}{2} \text{ mark})$			
		u i i i i i i i i i i i i i i i i i i i				
	(c)	milk quickly and evenly	$(\frac{1}{2} \text{ mark})$			
	(d)	practice complete milking	z1			
			(½ mark)			
	State i	four factors that determine the amount of feed an animal consumes.	(2 marks)			

	••••••					

8	3.	Give o	ne use of each of the following farm too	ols: Synhung in stortic lo some	
vo.		(a)	pipe wrench		$(\frac{1}{2} \text{ mark})$
4				2	
		(b)	tenon saw	on the section of the country	$(\frac{1}{2} \text{ mark})$
				narum sili-yilw mosesa suo	(B) (1) (1)
		(c)	spoke shave		$(\frac{1}{2} \text{ mark})$
		(d)	elastrator.		$(\frac{1}{2} \text{ mark})$
			proportionality balantice and the		
	9.	State	four control measures for Brucellosis in	n cattle.	(2 marks)
0258					
					<u> </u>
	10.	(a)	Give two roles of wood shavings used	d as litter in the artificial brooder.	(1 mark)
		(b)	Give two reasons why a chicken broo	oder should have a round shape.	(1 mark)
7130					

11.	Nam	e four parts of the ignition system of a petrol engine.	(2 marks)
	mil)		
12.	(a)	State two signs that show a rabbit is about to give birth.	(1 mark)
)	(b)	If a doe was served on 7th March 2021, determine the date it gave birth.	$(\frac{1}{2} \text{ mark})$
	(c)	What is the name given to the young one of a rabbit?	$(\frac{1}{2} \text{ mark})$
13.	State	four advantages of artificial calf feeding.	(2 marks)
4.	Give	four characteristics of clean milk.	(2 marks)

15.	(a)	Name two methods of service used in livestock breeding. (1 mark)
	(b)	Name two cattle diseases controlled through Government-imposed quarantine in Kenya. (1 mark)

SECTION B (20 marks)

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

16. The diagrams **R** and **S** show farm implements.



(a)	Name the source of power used to operate the farm implement labelled:	
	R	(1 mark
	S	(1 mark
(b)	State the means by which the farm implement labelled S is attached to its sor power.	urce of (1 mark)
	······	(1 mark)
(c)	Give two maintenance practices carried out on the implement labelled R.	(2 marks)

17. The diagram below shows a parasite commonly observed on sheep.



(a)	Identify the parasite.	(1 mark)
(b)	State four harmful effects of the parasite in sheep rearing.	(4 marks)
The c	diagram below shows a method of incubation in poultry rearing.	er er
The	hagrain ociow shows a method of medoadon in podialy reducing.	(0)
(a)	Identify the method of incubation shown above.	(1 mark)

18.

	(b)	State four advantages of the method of incubation shown in Question 18.	(4 marks)

19.	Crude	altry farmer wants to prepare 200 kilograms of chick mash containing 20% Dige Protein (DCP). Calculate the amount of maize (10% DCP) and fish meal (60% armer requires to make the chick mash. Use the Pearson's square method and shoing.	DCD)
3	********	e un tout are epasidered when relucting -	
		a why the bonery dage system of rearing is poss-	::::::::::::::::::::::::::::::::::::::
	(5.1	Loop feit a au me beinne enekomp munnsganam aun massa.	
Time.	H 2)	to the reasons (or harm mechanisation).	•••••
	*********	ini. Fiescribe vix symptoms observed on a calf heavily inferral ""	
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SECTION C (40 marks)

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

20.	(a)	Descr	ibe calf scours under the following subheadings:	
		(i)	causal organism.	(1 mark)
		(ii)	predisposing factors.	(3 marks)
		(iii)	control measures.	(4 marks)
	(b)	Desci	ribe the rearing of day-old layer chicks up to the age of eight weeks.	(12 marks)
21.	(a)	Desc	ribe milk secretion in a dairy cow.	(5 marks)
	(b)	Desc	ribe six factors that are considered when selecting a gilt for breeding.	(6 marks)
	(c)	Give scale	nine reasons why the battery cage system of rearing is popularly used poultry farmers.	by large (9 marks)
22.	(a)	Desc	ribe five management practices carried out on a fish pond.	(5 marks)
	(b)	(i)	Give five reasons for farm mechanisation.	(5 marks)
		(ii)	Describe six symptoms observed on a calf heavily infested with inter-	nal parasites. (6 marks)
	(c)	Give	four routine rearing practices in the handling of livestock.	(4 marks)
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