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AGRICULTURE 4			
PAPER 2			
JULY / AUGUST 2013			

NANDI NORTH DISTRICT JOINT MOCK 2013

AE Rive Free ACSE Kenya Certificate of Secondary Education (K.C.S.E.) **AGRICULTURE**

PAPER 2

TIME: 2 HOURS

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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 questions in Section A and B.
- (e) Answer any TWO questions in section C.
- (f) Answers should be written in the spaces provided.
- (g) This paper consists of 10 printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX. SCORE	CANDIDATE SCORE
Α	1 – 16	30	
В	17 – 22	20	
С	23 - 25	20	
		20	
Total Score		90	

SECTION A (30 MARKS)

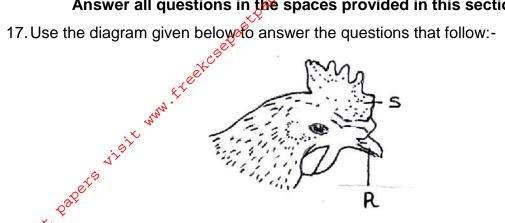
Answer ALL Questions in the Spaces Provided

	1.	(a) What is a notifiable disease?	(1mk)
		(b) Name two notifiable diseases of cattle.	(1mk)
		List any four farm tools and equipment that are complementary in use.	(2mks)
Mote fitee	CSE	Ç	
Hote &	3.	Give two characteristics that make indigenous cattle better suited to margareas than exotic cattle.	ginal (2mks)
	4.	Give <u>four</u> similarities between the importance of good creep feed and co	olostrum. (4mks)
	5.	Give <u>two</u> examples of light breeds of poultry.	(1mk)
	6.	A farmer intends to prepare 600kg of feed containing 20% DCP for chicks feedstuffs which contains 18% DCP and N which contains 40% DCP, using pearson's square method, calculate how much of Q and N will be needed	ng a

	, oft	
	7. Differentiate between pen mating and flock mating in poultry.	(2mks)
	at ^{XV}	
	8. State <u>four</u> signs of heat in pigs.	(2mks)
	······································	
	9. Give two reasons why teaser rams are introduced to a flock of Ewes so	me weeks
	before tupping.	(2mks)
	్రస్తో	
0.0	د	
\$to	10. Name <u>two</u> livestock diseases controlled through artificial inseminatiton.	(1mk)
for note free		
\$01		
	11. What characteristics of gizzard of a cock enable it to digest food?	(1mk)
	12. Give <u>two</u> reasons for seasoning timber before its used for construction.	(2mks)
	13. Give two uses of droppers in a barbed wire fence.	(1mk)
	14. State two factors which determine the amount of feeds given to an anim	nal. (1mk)
		
	15. State two factors that lower quality of concrete.	(1mk)
	13. State two ractors that lower quality of controle.	(TITIK)
	16 Give two maintenance practices of a tractor battery	
	16. Give two maintenance practices of a tractor battery.	(1mk)

SECTION B (20 MARKS)

Answer all questions in the spaces provided in this section



Q^{-}	
(i) Name the routine practice carried out on the part labeled R.	(1mk)
(ii) Give two reasons for carrying out the practice named in (a)	(i) above. (2mks)
(i) Name one disease that affects the part labeled S.	(1mk)
(ii) State two control measures of the disease named in (b) (i) a	bove.(1mk)
dy the diagram of a sheep shown below carefully and answer t	the questions
follow.	
Mouth B	
Vhat operation is carried out on the part labeled A.	(1mk)
Give <u>two</u> reasons for carrying out the operation in (i) above.	(1mk)
	(ii) Name the routine practice carried out on the part labeled R. (iii) Give two reasons for carrying out the practice named in (a) (i) Name one disease that affects the part labeled S. (ii) State two control measures of the disease named in (b) (i) a dy the diagram of a sheep shown below carefully and answer to follow. Ear Mouth Ear What operation is carried out on the part labeled A.

	(iii) At what age should the above operation be carried out?	(1mk)
	19. Study the illustration of a farm structure below and answer th	e questions that
	follow:	
, e	19. Study the illustration of a farm structure below and answer the follow: Legis Page 1. Pag	
Vote &	(a) Identify the parts labeled:	(2mks)
*Of	J	
y	K	
	L	
	N(b) State <u>two</u> uses of part labeled L.	(1mk)
	(b) State <u>two</u> uses of part labeled L.	, ,
	20. Below are farm tools, study them and answer the questions below	<i>!</i> :-
	L	M
	N O	
	(a) Identify the tools M, N.	(2mks)
	M	
	N	
	(b) Give <u>one</u> functional advantage of O over tool L.	(1mk)

21. Below is a diagram of a farm equipment.	
(i) Identify the equipment.	(½ mk)
(ii) State <u>one</u> function of the toothed notches.	(½ mk)
(iii) State <u>one</u> function of the toothed notches. (iii) State <u>one</u> way of increasing the depth of penetration of the equipment should be a state of the equipment of the equipment should be	
(iv) State <u>four</u> maintenance practices carried out on the equipment sh	
22. The illustration below represents an equipment used in poultry produ	iction. Study
space of heat	
(i) Identify the equipment.	(½ mk)
(ii) Identify the parts labeled. C D	(1mk)
(iii) Why is it important to turn the eggs 180° every 6 – 8 hours?	(½mk)

Answer any two questions in the spaces provided

23.(a)	Briefly describe actors that a farmer should consider when construction	cting farm
201(0)	structures. with	(10mks)
(b)		,
(D)	Discuss the disease contagious abortion under the following sub-he	
	(i) At least <u>two</u> animals affected.	(2mks)
	Causal organisms.	(2mks)
ORSE	(iii) Symptoms.	(2mks)
CSE E	(iv) Control	(4mks)
È.		
24. (a)	State <u>five</u> maintenance practices of a tractor trailer.	(5mks)
(b)	State and explain five components of fuel system of a petrol engine	•
	of a tractor.	(10mks)
(c)	Identify five measures to be observed to ensure efficient ploughing by	by use of
	oxen.	(5mks)
25. (a)	Outline the possible causes of low libido in bucks.	(5mks)
(b)	Describe the management activities a poultry farmer would carry ou	t to reduce
()	stress in a flock of layers.	(5mks)
(C)	Outline procedure of semen collection and preparation for use in art	,
(c)	Outline procedure of semen collection and preparation for use in art	ificial
(c)	Outline procedure of semen collection and preparation for use in art insemination in cattle.	,
(c)		ificial

