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Date:			-	
443/2 AGRICULTURE PAPER 2 JULY /AUGUST 2014 TIME: 2 HOTERS	Section .			
JULY /AUGUST 2017 TIME: 2 HOURS				

NYAMIRA DISTRICT JOINT EVALUATION TEST

Kenya Certificate of Secondary Education (K.C.S.E.)

Agriculture Paper 2

INSTRUCTIONS TO CANDIDATES:

- Write your name and index number in the spaces provided.
- This paper consists of three section A,B and C
- Answer all the questions in section A and B
- Answer any two questions in section C.
- *Answers should be written in the spaces provided in this booklet.*

For Examiner's Use Only:

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-19	30	
В	20-27	20	
С	28 -70	20	
		20	
	TOTAL	90	

This paper consists of 8 printed pages. Candidates should check to ascertain that all papers are printed as indicated and that no questions are missing

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4. Let article two factors considered when siting a calf pen. (1mk) b) State two reasons why it is necessary to have individual calf pens instead of communal calf pens. (1mk) Name four causes of stress in a flock of layers. (2mks) 6. State four functions of vitamins in the diet of livestock animals. (2mks) 7. State two maintenance practices of a cold chisel. (1mk) 8. a) Give one reason why it is necessary to take birth weight of young animals immediately	1.	Differentiate between vectors and parasites as used in livestock health.	(1mk)
3. Suggest there reasons why ewe may abandon their lambs. (1½mk. 4. Calcive two factors considered when siting a calf pen. (1mk) b) State two reasons why it is necessary to have individual calf pens instead of communal calf pens. (1mk) 5. Name four causes of stress in a flock of layers. (2mks) 6. State four functions of vitamins in the diet of livestock animals. (2mks) 7. State two maintenance practices of a cold chisel. (1mk) 8. a) Give one reason why it is necessary to take birth weight of young animals immediately after birth. (1mk)		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
3. Suggest three regions why ewe may abandon their lambs. (1½mk. 4. Let a varie two factors considered when siting a calf pen. (1mk) b) State two reasons why it is necessary to have individual calf pens instead of communal calf pens. (1mk) 5. Name four causes of stress in a flock of layers. (2mks) 6. State four functions of vitamins in the diet of livestock animals. (2mks) 7. State two maintenance practices of a cold chisel. (1mk) 8. a) Give one reason why it is necessary to take birth weight of young animals immediately after birth. (1mk)	2.	State two qualities of clean water for livestock use.	,
4. Partitive two factors considered when siting a calf pen. (1mk) b) State two reasons why it is necessary to have individual calf pens instead of communal calf pens. (1mk) 5 Name four causes of stress in a flock of layers. (2mks) 6. State four functions of vitamins in the diet of livestock animals. (2mks) 7. State two maintenance practices of a cold chisel. (1mk) 8. a) Give one reason why it is necessary to take birth weight of young animals immediately after birth. (1mk)		\$\displays \displays \disp	
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8. a) Give one reason why it is necessary to take birth weight of young animals immediately after birth. (1mk)	6.	State four functions of vitamins in the diet of livestock animals.	(2mks)
8. a) Give one reason why it is necessary to take birth weight of young animals immediately after birth. (1mk)			
after birth. (1mk)	7.		
after birth. (1mk)			
b) Suggest two factors that can lead to conception failure after the females have been served. (2mk	8.		(1mk)
		b) Suggest two factors that can lead to conception failure after the females have been serve	ed. (2mks)

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	9.	Give <b>two</b> hormones that influence milk let down.	(1mk)
	10	a) State <b>two</b> functions of contilation in a pig house	(1mrk)
		200 200 C	
		b) What are the uses of guard rail in a pig farrowing pen?	(1mk)
	11		
	\$ ⁷ .	Suggest three factors that make embryo transplant unpopular with many livestock farmers	
1,67×	\$\times_12.	Give <b>three</b> reasons for treating timber before use.	(1½ mks)
301			
	13.	Outline the reason for arranging brick in overlapping manner during the construction of fabuildings.	(½ mk)
	14.	Under what conditions would a farmer prefer to use an ox-cart instead of a tractor drawn trailer?	(1½mks)
	15.	Name <b>three</b> different types of tools used to trim overgrown hooves in sheep.	(1½mks)
	16.	Give <b>two</b> disadvantages of using tractor hire services instead of own tractor. (1mk)	
		17.State <b>four</b> factors that may lead to culling in dairy cattle.	(2mks)

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		Att	
18.	Give <b>four</b> advantages of	using battery system of rearing poultry.	(2mks)
	x	of the major the matricet manifestation and in additional to the matricet manifestation and in additional to the matricet manifestation and the matricet matricet manifestation and the matricet manifestation and the ma	
19.	State four factors which	determine the nutrient requirement in cattle  SECTION B: (20 MARKS)  s all questions in this section in the spaces	e. (2mks)
	4, 4, 60°		
	\$ ex		
	400 XX		
e	White I		
,	Answer	<u>SECTION B: (20 MARKS)</u> So all auestions in this section in the spaces	s provided.
, ,	Ct. 1 41 - 11 - 4 - 4 C		. C. 11.
20.	Study the illustrations of	fences below and answer the questions that	TIOHOW.
	a) Name the type of fence	s illustrated above.	(1mk)
	X		
	Y		
	b) Name the correct tool u	ised in the maintenance of fence Y	$(\frac{1}{2} \text{ mk})$
	c) Give the correct tool at	nd material used to attach the wire onto the	wooden post during the
	construction of the str		(1mk)
	Tool:		
	Material:		
21.	Study the chicken condit	ion illustrated below and answer the questi	ons that follow.
		( Share and )	
		<i>v</i> q° -∗¢;	
	a) Identify the deficiency	nutrient responsible for the condition above	re. (½ mk)
Ĉ Nva	mira — 2011	Form Four 4	Agriculture 443/.

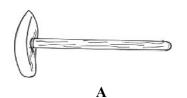
b) Use the information given on positry feeding below and answer the questions that follow.

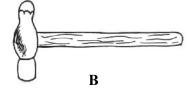
Feed stuff	Protein	Price/kg
Fish meal	70% 2° c	39
Maize meal	25%	20

(i) Formulate a ration weighing 200kgs containing 15% DC Protein using the maize meal and fishmeal as the ingredients. (Use Pearson's square method.) (3mks)

.....

Study diagrams of tools below and answer the questions that follow.





a) Identify the tools above.

(1mk)

B.....

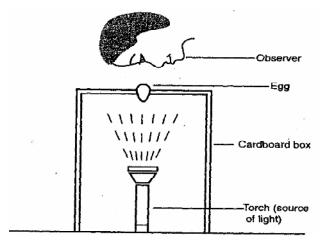
b) State the use of tool **B** above.

 $(\frac{1}{2} \text{ mk})$ 

c) Give **one** maintenance practice of tool A.

 $(\frac{1}{2} \text{ mk})$ 

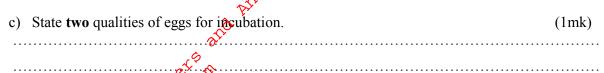
23. Study the illustration below and answer the questions that follows.



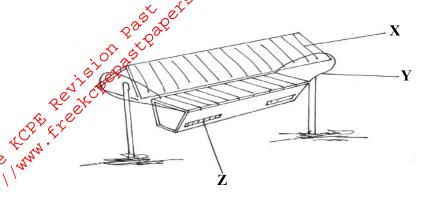
a) Identify the practice.  $(\frac{1}{2}mk)$ 

b) Why is the practice recommended for the 18th day of incubation.

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24. Study the diagram illustrating bee keeping structure below



a) Identify the type of hive illustrated above.  $(\frac{1}{2} \text{ mk})$ 

b) Name the parts marked **X** and **Z** above. (1mk)

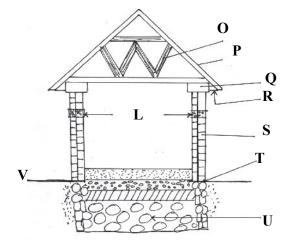
**X**.....

**Z**.....

c) Give **two** diseases that are likely to attack bees in a hive. (1mk)

.....**v** 

25. Study the illustration below and answer the questions that follow.



P.....

Q.....

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		AILS		
b)	State any <b>one</b> material	used in making the part	labeled V and show the ratio of which it is	S
	in the mixture.	air	(1m	ık
		6		

c) What is the function of the part labeled L (½ mk)

d) Name one material and one tool used in putting up the part marked S above. (1mk)

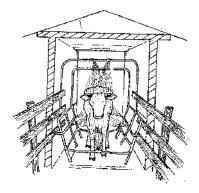
26. Study the photograph below and answer the questions that follows.

With the est

a) Identify the implement illustrated above. (½mk)
b) Classify the implement according to the mode of linkage. (½mk)

c) Give **one** advantage of using the above implement. (½mk)

27. The diagram below shows a farm structure use it to answer the questions that follow.



i) Identify the practice being carried out.

(½ mk)

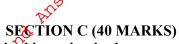
ii) Name the structure in which the practice is being carried out.

(½ mk)

iii) Outline the advantage of the structure above over a plunge dip.

(½ mk)

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## Answer any two questions in this section in the spaces provided after question. 30.

	28. 29.	<ul> <li>a) Describe the management of pigs immediately after furrowing upto weaning of piglets.</li> <li>b) Give four qualities of colostrum making it suitable for calves.</li> <li>c) State qualities of good beef preferred by consumers.</li> <li>a) Outline the factors to consider when planning for the construction of a poultry house.</li> </ul>	(12mks) (4mks) (4mks)
	2).	b) Compare the use of animal drawn implements to tractor drawn implements. c) State the factors influencing the choice of building materials.	(6mks) (4mks)
	30.	by Explain seven factors that predispose livestock to diseases.	(6mks) (7mks) (7mks)
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