Name	Index No/
School	Date
Candidate's Signature	

443/2 AGRICULTURE PAPER 2 JULY/AUGUST - 2012 Time: 2 Hours

# **LOITOKITOK DISTRICT JOINT EVALUATION TEST - 2012**

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

443/12 AGRICULTURE Paper 2 JULY/AUGUST - 2012 Time: 2 Hours

### **INSTRUCTIONS TO CANDIDATES**

- (a) Write your name and index number in the spaces provided above.
- (b) This paper consists of Three sections:- A, B and C
- (c) Answer all the questions in sections A and B.
- (d) Answer any two questions in section C.

### **FOR EXAMINERS USE ONLY**

SECTION	QUESTION	MAXIMUM MARKS	CANDIDATES SCORE
A	1 - 16	30	
В	17 - 20	20	
	21	20	
C	22	20	
TOTAL SC	ORE	90	

This paper consists of 12 printed pages.

Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing

# **SECTION A (30 MARKS)**

# Answer All questions in the spaces provided.

1.	State <b>four</b> characteristics of a zebu cow.	(2mks)
2.	Give two breeds of pigs kept for bacon production.	(1mk)
3.	Outline <b>four</b> physiological body signs of good health in livestock.	(2mks)
		•••••
4.	State <b>four</b> mineral deficiency disorders in growing animals.	(2mks)
		••••••
5.	State any <b>four</b> practices that involve handling of animals in the farm.	(3mks)
		••••••
6.	List <b>four</b> characteristics of an effective accarides.	(2mks)
		•••••
_		
7.	State <b>four</b> symptoms of roundworm (Ascaris spp) attack in sheep.	(2mks)
		•••••

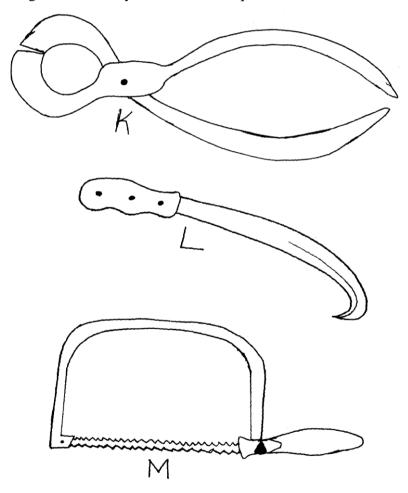
State <b>four</b> factors that determine the amount of food given to an animal.	(2mks)
Describe the <b>four</b> microbial activities that take place in the rumen of a ruminant.	(2mks)
Outline <b>four</b> disadvantages of natural mating in cattle.	(2mks)
State <b>four</b> advantages of embryo transplant in dairy cows.	(2mks)
Outline <b>four</b> precautions that should be observed when using workshop tools.	(2mks)
State <b>two</b> feed additives used in stimulating growth and improving feed efficiency	
in livestock production.	(1mk)
F	()
	••••••
Outline <b>four</b> practices carried out on fish after harvesting and before preservation.	(2mks)
Outline four practices carried out on fish after harvesting and before preservation.	(211K5)
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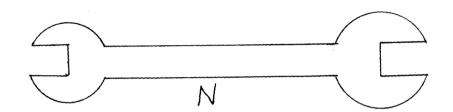
15.	State <b>four</b> control measures of egg-eating in poultry.	(2mks)
16.	name the <b>four</b> strokes in a four stroke cycle engine.	(2mks)

# **SECTION B: 20 MARKS**

# Answer All questions in the spaces provided.

17. Study the following tools carefully and answer the questions that follow.

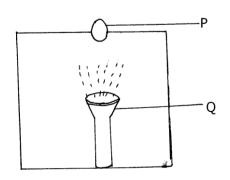




	(a)	Identify the above tools K, L, M and N		(2mks)
		K	(½ mk)	
		L	(½ mk)	
		M	(½ mk)	
		N	(½ mk)	
	(b)	State the use of tools labeled K and N		(2mks)
		K		
		N		
	(c)	Give <b>two</b> maintenance practices of the tool label	ed M.	(2mks)
18.	(a)	Define the term feed conversion ratio as used in	livestock production.	(1mk)
	(b)	A bull gained 100kg of live weight after eating 4		
		period of time. Calculate the feed conversion rational conversion	0.	(2mks)
				•••••
	•••••			• • • • • • • • • • • • • • • • • • • •



Study the diagram below carefully and answer the question that follow



19.

(a)	Name the practice shown above.	(½ mk)
(b)	State the parts labeled P and Q P	(1mk)
(c)	Q  State <b>three</b> advantages of carrying out the above process.	(3mks)
Study	y the diagram of a dip below carefully and answer the questions that follow.	

(a)	Identify the parts labeled R, S, T, U	and V.	$(2 \frac{1}{2} \text{ mks})$
	R	( ½ mk)	
	S	( ½ mk)	
	<b>T</b>	/ <b>1</b> /	

U..... (½ mk)

 $V....(\ ^{1}\!\!/_{2}\ mk)$ 

(b)	State the functions of parts labeled W and V.	(2mks)
	W	

V.....

(c) Name the solution that is placed in the part labeled S. (1mk)

.....

20.

(d)	Mention <b>one</b> maintenance practice carried out on the cattle dip above.	(1mk)
	SECTION C (40 MARKS)	
	Answer any Two questions from this section	
(a)	Discuss anthrax under the following sub-headings	
	(i) Causal organism.	(1mk)
	(ii) Symptoms of attack.	(5mks)
	(iii) Control measures.	(4mks)
(b)	Describe five general methods of disease control measure in livestock prod	uction (10mks)
(a)	Describe the procedure of harvesting clean honey from a Kenya Top Bar H	ive. (6mks)
(b)	State three methods of honey harvesting.	(3mks)
(c)	Outline <b>five</b> signs of furrowing in pigs.	(5mks
(d)	Describe the lifecycle of three host tick	(6mks)
(a)	State five operational differences between a mould board plough and a disc	
	plough.	(10mks)
(b)	Outline five care and maintenance practices of a tractor battery	(5mks)
(c)	State <b>five</b> uses of solar energy.	(5mks)
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