2425/102 ANIMAL PRODUCTION I June/July 2017 Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL.

DIPLOMA IN AGRICULTURE MODULE I

ANIMAL PRODUCTION 1

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of EIGHT questions.

Answer any FIVE questions in the answer booklet provided, All questions carry equal marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.



This paper consists of 3 printed pages.

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

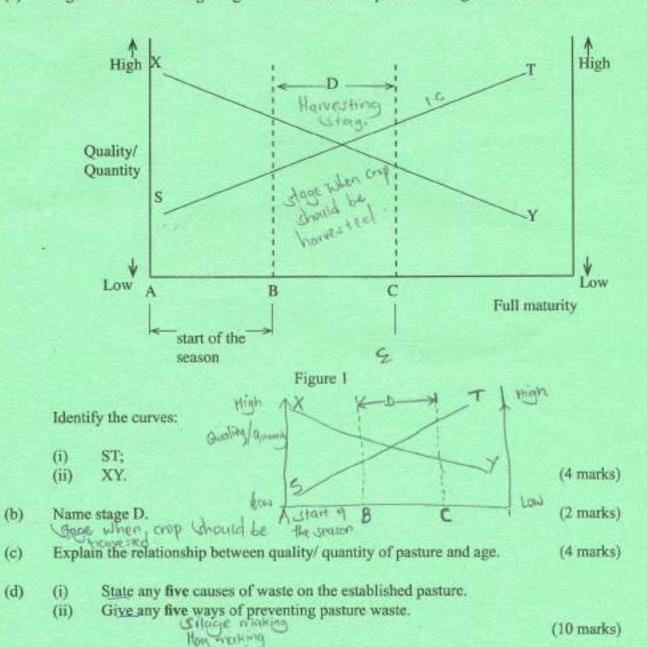
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Turn over

1.	(a)	Define the following terms:	
		(i) epistasis; -	
		(ii) pleiotropy;-	
		(iii) dominance;	
		(iv) recessive-	
		(v) phenotype-	
		(v) phenotypes	(5 marks)
	(b)	Explain progeny testing with respect to:	
		(i) situations in which it is used;	
		(ii) requirements for effective testing.	(9 marks)
		NO. Company of the Co	1000, 400,000,000,000,000
	(c)	Describe the individual selection method.	(6 marks)
2.	(a)	Highlight any five sanitary measures taken to protect a healthy herd from d	liseases. (10 marks)
	(b)	Describe anthrax in cattle with respect to:	
	1000	(i) constitue agent, Boother on Hip Six	
		(i) causative agent; Pacific Constant	
		(ii) symptoms; * who we have	
		(iii) control The Lyderod	
		Familia ago	(10 marks)
3:	(a)	Explain how a calf is trained for bucket feeding.	(10 marks)
	(b)	Outline good hand milking procedure.	(10 marks)
4.	(a)	Give the importance of livestock to man.	(6 marks)
	(b)	(i) Define the term 'production system'.	
	(6)	(ii) Name four livestock production systems.	(6 marks)
		W/ Manual Communication (Communication Communication Commu	300000000000000000000000000000000000000
	(c)	Explain the grazing management in a sown pasture land in rangelands.	(8 marks)
5.	Descri	be any five preventive measures in disease control on the farm.	(20 marks)
		Statements in kind formulation	
6.	(a)	Explain the term 'feeding standards's fundahoe's foretas in kid formulate	(5 marks)
	(b)	Describe any five factors necessary for an animal to meet its nutritional re-	quirement
	1		(15 marks)
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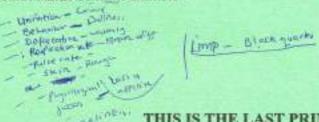
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7. (a) Figure 1 shows the stage of growth of established pasture to be grazed on site.



Discuss the observable animal attributes that a stockman should look for to ascertain the health status of farm animals.

(20 marks)



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03 AUG 2017

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