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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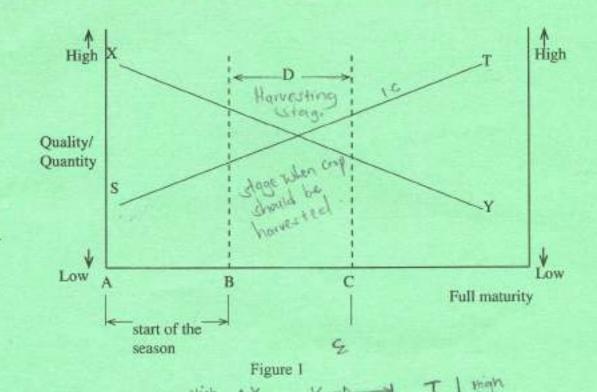
1.	(a)	Define the following terms:	
		(i) epistasis; –	
		(ii) pleiotropy;-	
		(iii) dominance;-	200
		(iv) recessive;	
		(v) phenotype-	(5 marks)
	(b)	Explain progeny testing with respect to:	
		(i) situations in which it is used;	
		(ii) requirements for effective testing.	(9 marks)
	(c)	Describe the individual selection method.	(6 marks)
2.	(a)	Highlight any five sanitary measures taken to protect a healthy herd from di	iseases. (10 marks)
	(b)	Describe anthrax in cattle with respect to:	
	1000	(i) causative agent: Books contraction	
		(i) causative agent; Rooms 1	
		(ii) symptoms; * and housedhate	
		(iii) control First Latinos	(10 marks)
8.	(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'.	
	(4)	(ii) Name four livestock production systems.	(6 marks)
	(c)	Explain the grazing management in a sown pasture land in rangelands.	(8 marks)
18.	Descr	ribe any five preventive measures in disease control on the farm.	(20 marks)
6.	(a)	Explain the term 'feeding standards' (million foreign in kid formula)	(5 marks)
	(b)		
		from a feedstuff.	(15 marks)
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(17)

Figure 1 shows the stage of growth of established pasture to be grazed on site. 7. (a)



Identify the curves:

- (i) ST:
- (ii) XY.

LOW (2 marks) Name stage D. Agae when crop should be the season

(b)

Explain the relationship between quality/ quantity of pasture and age. (c)

(4 marks)

(4 marks)

(d) (i) State any five causes of waste on the established pasture.

(ii) Give any five ways of preventing pasture waste. How wating

(10 marks)

Hending Discuss the observable animal attributes that a stockman should look for to ascertain the (20 marks) health status of farm animals.

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