1405/312 ANIMAL PRODUCTION Oct./Nov. 2022

Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN GENERAL AGRICULTURE

ANIMAL PRODUCTION

3 hours

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and any FOUR questions from section B in the answer booklet provided.

Each question in section A carries 4 marks while each question in section B carries 15 marks. Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of SIXTEEN questions in TWO sections; A and B.

This paper consists of 4 printed pages.

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

SECTION A (40 marks)

Answer ALL questions in this section.

1.	Explain each of the following terms as used in animal genetics:					
	(a)	variation;	(2 marks)			
	(b)	heredity.	(2 marks)			
2.	Defin	e each of the following terms:	Libert			
	(a)	animal production;	(2 marks)			
	(b)	animal husbandry.	(2 marks)			
3.	The f	The following are feedstuff used in feeding livestock:				
	Dry maize stalk, dairy meal, antibiotics and sweet potato vines.					
	Classify them into:					
	(a)	roughages;	(1 mark)			
	(b)	succulents;	(1 mark)			
	(c)	concentrates;	(1 mark)			
,	(d)	feed additives.	(1 mark)			
4.	(a)	Name one example of each of the following:				
		(i) trematode; (ii) cestode.	(2 marks)			
	(b)	Define the term 'zoonotic disease'.	(2 marks)			
5.	State	four factors that determine choice of a dairy breed by the farmers.	(4 marks)			
6.	Give	four economic considerations made in feeding beef cattle.	· (4 marks)			
7.	Expl	Explain the meaning of the following as used in sheep and goats production:				
	(a)	controlled mating system;	(2 marks)			
	(b)	accelerated mating system.	(2 marks)			

8.	Explain the feeding of the following classes of pigs:						
	(a)	piglets; - Crecus de de la provincia	(2 marks)				
	(b)	weaners.	(2 marks)				
9.	Give	four benefits of egg candling.	(4 marks)				
10.		four characteristics of California breed of rabbits.	(4 marks)				
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		SECTION B (60 marks)					
	Answer any FOUR questions from this section.						
11.	Expla	in overgrazing under the following:					
	(a)	meaning;	(2 marks)				
	(b)	characteristics of overgrazed rangelands;	(5 marks)				
	(c)	methods of controlling overgrazing.	(8 marks)				
12.	Descr	ibe disease and parasite control under the following:	district the				
	(a)	routine, control measures;	(5 marks)				
	(b)	hygiene on the farm.	(10 marks)				
13.	Descr	ibe forage utilization under the following:					
	(a)	cut and carry;	(5 marks)				
	(b)	grazing.	(10 marks)				
14.	Expla	in the causes and symptoms of the following diseases:					
,	(a)	milk fever;	(5 marks)				
	(b)	anthrax;	(5 marks)				
	(c)	three-day sickness.	(5 marks)				
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- 15. (a) Explain feeding rabbit under the following:
 - (i) pellet feeding;
 - (ii) dry forage hay.

(5 marks)

(b) Explain the socioeconomic benefits of camels, oxen and donkeys.

(10 marks)

16. (a) State six reasons for liming a fish pond.

(6 marks)

- (b) Describe absconding bee behaviour under the following:
 - (i) meaning;
 - (ii) reasons for absconding;
 - (iii) signs of absconding.

(9 marks)

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