KENYA HIGH EXAMINTIONS 2021

Kenya Certificate of Secondary Education AGRICULTURE PAPER 2 (THEORY)

SECTION A (30 MARKS)

Answer ALL questions in this section.

1.	State four problems associated with nomadic pastoralism method of farming.	(2 marks)	
2.	State one use of the following tools in the farm. a) Spoke shave	(2 marks)	
	b) Pipe wrench		
	c) Stock and die		
	d) Wire strainer		
3.	Name one exotic dairy cattle breed in Kenya which produces milk with:		
	a) Highest butter fat content.	(1 mark)	
	b) Lowest butter fat content.	(1 mark)	
4.	Name two dual purpose breeds of dairy cattle reared in Kenya.	(1 mark)	
5.	Name two sources of energy concentrates.	(1 mark)	
6.	Using Pearson's square method, compute a 100kg ration with 20% DCP from sunflow		
	which contains 10% DCP and simsim seed containing 60% DCP.	(4 marks)	

7.	Name three livestock diseases transmitted by ectoparasites.	(1½marks)
8.	Name an intermediate host for the following internal parasites. a) Tapeworms	(2 marks)
	b) Liver flukes	
9.	Give any two reasons for docking in sheep rearing.	(1 mark)
10.	State two functions of the queen in a beehive.	(1 mark)
11.	State three maintenance practices carried out on a piggery unit.	(1½ marks)
12.	State four disadvantages of an electrical fence.	(2 marks)
13.	State four advantages of using a spray race for controlling parasites.	(2 marks)

			443/2 Agriculture paper 2
14. Give 1	four disadvantages of artificial insem	ination in livestock production.	(2 marks)
15. Give a	any four structural requirements that	a calf pen should possess.	(2 marks)
16. List to	wo signs of infertility in cows.		(1 mark)
17. Give 1	two methods of introducing vaccines	to livestock.	(2 marks)
•••••			
•••••			
SECT.	ΓΙΟΝ B (20 marks)		
Answ	er ALL questions in this section.		
18. Study	the diagram	below and answer the question A D B	s that follow.
		- C - D	
(i) Na	ame the parts labelled A, B, C, D and	l E in the diagram.	(2½ marks)

В	
C	
D	
E	
(ii) State the function of each part.	(2½ marks)
A	
В	
C	
D	
E	
The diagram below represents an aerial view of a farm structure. questions that follow.	Study it carefully and answer the Y
a) Identify the structure.	Z (1 mark)
b) Name the parts labeled X, Y and Z. X	
Y Z	
c) List two roles of the part labeled Y.	(2 marks)

21. Give two reasons for carrying out hoof trimming.	(1 mark)
22. The	illustration below is a farm structure.
a) Identify the structure.	(1 mark)
b) Name the parts labeled K, Q and Z.	(3 marks)
K	
c) Give four maintenance practices carried out on the above structure.	(2 marks)
SECTION C (40 MARKS)	
Answer ANY TWO questions in this section	

23. a) Give five functions of vitamins in livestock production.

(5 marks)

b) Describe the importance of colostrum to young animals within the first week of birth. (10 marks)

Compiled & distributed by Schools Net Kenya, P.O. Box 15509-00503, Nairobi | Mob: 0734579299

E-mail: infosnkenya@gmail.com | ORDER ANSWERS ONLINE at www.schoolsnetkenya.com

c)	Outline five advantages of embryo transplant technology in cattle management.	(5 marks)
a)	Mention four methods of water harvesting.	(4 marks)
b)	Describe the different types of micro catchments used in water conservation.	(10 marks)
c)	Explain the importance of micro catchments.	(6 marks)
a)	Outline ten factors to consider when selecting gilt for breeding stock.	(10 marks)
b)	Explain the economic importance of parasites to livestock animals.	(10 marks)
••••		
		• • • • • • • • • • • • • • • • • • • •
• • • •		
	a) b) c) a) b)	c) Outline five advantages of embryo transplant technology in cattle management. a) Mention four methods of water harvesting. b) Describe the different types of micro catchments used in water conservation. c) Explain the importance of micro catchments. a) Outline ten factors to consider when selecting gilt for breeding stock. b) Explain the economic importance of parasites to livestock animals.

443/2 Agriculture paper	r 2
	• •
	• •
	• •
	• •
	• •
	• •
	••
	• •
	• •
	• •

443/2 Ag	riculture paper 2