FORM 4 MID TERM 2 2020

AGRICULTURE PAPER 2

SECTION A (30 MARKS)

Answer all questions from this section in the spaces provided.

1.	Mention two examples of meat goats in Kenya	(1mk)
2.	Give the functions of the following parts in the male reproductive system of a goat (i) Testes(1mk)	
	(ii)Urethra	(1mk)
3.	State three factors that affect digestibility of a feed in dairy animals	(1 ½ mks
4.	State three factors to consider when selecting eggs for sale	(1 ½ mks
5.	Give two uses of a gear box in a tractor	(2mks)
6.	Differentiate between outcrossing and cross breeding as used in livestock production	(2mks)
7.	State three reasons for weighing livestock at weaning stage	(1 ½ mks)
8.	State four functions of vitamins	(2mks)
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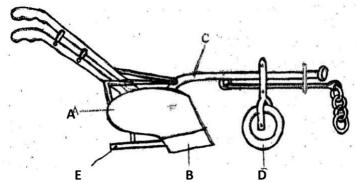
9. State	e two advantages of using wood as a construction material	(2mks)
 10. Ment	tion four safety precautionary measures when using electric power in the farm	(2mks)
 11. Nam	e two tractor drawn implements that are attached to the draw bar	(1mk)
 12. Give	two uses of footbath in a plunge dip	
 13. State	e two possible channels through which Kenya farmers can market their livestock	(2mks)
 14. State	e two disadvantages of using hurricane lamps and lanterns as providers of heat in a b	rooder (2mks)
 15. Give	four ways of stimulating milk let down in a dairy cow	(2mks)
 16. State	two functions of addictives in silage making	(2mks)
 17. State (i)	the uses of the following tools and equipments Chipping harmer	(1 ½ mks)
(ii)	Tinsnip	
(iii)	Router	

SECTION B (20 MARKS)

Answer all the questions in this section in the spaces provided

18. (a) Identify each of the parasites of livestock shown below,	(2mks)
A PART D	
(b) What is the difference between parasites A and B and parasites C and D?	(lmk)
A	
B	
C	
D	
(c) Suggest an effective control measure of the parasite labeled C	(1 mk)
18. The diagram below shows the male reproductive organ in cattle. Study it and answer the that follow	
W Y	
(a) Name the parts labeled Z and W Z	(2mks)
W	

19. Below is a diagram of a farm implement



(a) Identify the implement	(½ mk)
(b) Label the parts marked A,B,C,D and E	(2 ½ mks)
A	
В	
C	
D	
E	
(c) State the functions of the parts labeled C and E	(2mks)

wheat bran 10% DCP.

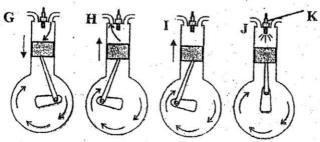
(a) Calculate using pearson's square method the amount of each feed-stuff needed in order to prepare

20. A farmer wants to prepare a ration for layers containing 18% DCP using maize germ 20% DCP and

100kg of feed (5mks)

(b) Name **one** other method the farmer can use to compute the ratio (1mk)

21. The diagrams below illustrate a **four** stroke cycle engine system. Study it and answer the questions that follow



(a) State the four stages of the four stroke cycle engine G,H,I and J G	(2mks)
Н	
I	
J	
(b) Mention two disadvantages of a four stroke engine	(2mks)
(c) What is the function of part K	(1mk)
SECTION C	
Answer any two questions from this section in the spaces provided.	
22. (a) Discuss the importance of keeping livestock healthy	(8mks)
(b) State the daily maintenance and servicing of a tractor	(10mks)
(c) Explain two maintenance practices carried out in a fish pond	(2mks)
23.(a) Describe the structural requirements to be considered when constructing a calf pen(b) Describe mastitis disease in dairy cattle under the following subheadings;(i) Two causal organisms	(10mks) (2mks)
(ii) Predisposing factors	(8mks)
24. (a) Explain the factors to consider while siting farm structures	(10mks)
(b) Describe the process of training a calf to drink milk from a bucket(c) Discuss the reasons that would make a farmer prefer a disc plough over a mouldboard plough(5mks)	(5mks)
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