

Name _____ index number _____

Candidate's Signature _____

Date _____

443/2

AGRICULTURE

FORM IV

PAPER 2

JULY 2018

TIME 2HRS

Instructions

Answer all the questions in section A and B

In Section C answer any two questions

Section	Questions	Maximum score	Candidates score
A	1 – 19	30	
B	20 – 23	20	
C	24- 26	20 20 20	
	TOTAL SCORE	90	

SECTION A (30MKS)

1. Name two tools used for cutting galvanized iron pipes (1mk)

2. List two pork breeds of pigs (1mk)

3. Outline four routes through which disease causing organisms get into the body of an animal (2mks)

4. Name two developmental stages of a liver fluke in water snail (1mk)

5. Name four sources of carbohydrates in livestock nutrition (2mks)

6. Give four importance of docking in sheep management (2mks)

7. What does the term Epistalsis mean in livestock improvement (1mk)
8. Give two disadvantages of a barbed wire fence when used in paddocking (1mk)
9. Outline four symptoms of attack by coccidiosis disease in kids (2mks)
10. Name four causes of stress in a flock of layers (2mks)
11. State four advantages of natural feeding in calf rearing (2mks)

12. Give four implements that obtain power from power take off shaft of the tractor (2mks)
13. State four factors that stimulate milk letdown in a lactating cow (2mks)
14. List four desirable qualities of a livestock ration (2mks)
15. Give three methods of applying acaricides on animals (1 ½ mks)
16. List four components of power transmission system (2mks)
17. Give three signs of parturition in a doe (1 ½ mks)

18. State two factors that lower the quality of concrete

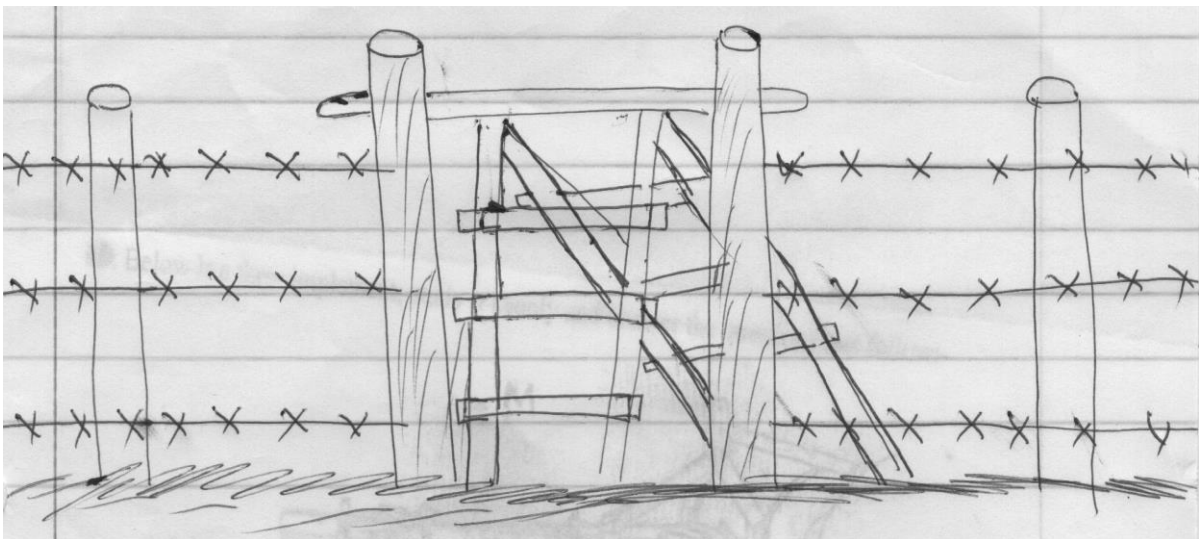
(1mk)

19. State two uses for which wind power is harnessed

(1mk)

SECTION B

20. Study the farm structure below illustrating a pass



a) Identify the type of pass illustrated below

(1mk)

b. Distinguish between a pass and a gate

(1mK)

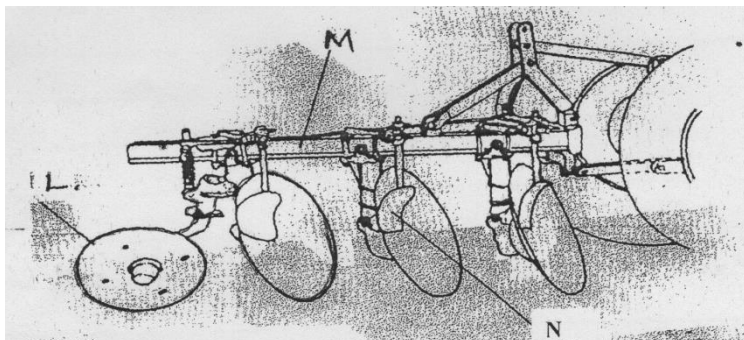
c. List four types of tools and equipments used in the establishment of the structure above

(2mks)

d. State one maintenance carried out on the structure

(1mk)

21. Below is a farm implement, study it keenly and answer the questions that follow



a. Name the farm implement drawn above

(1mk)

b. Identify the parts labeled L and M above

L

(½ mk)

M

(½ mk)

c. State the **function** of the part labeled M

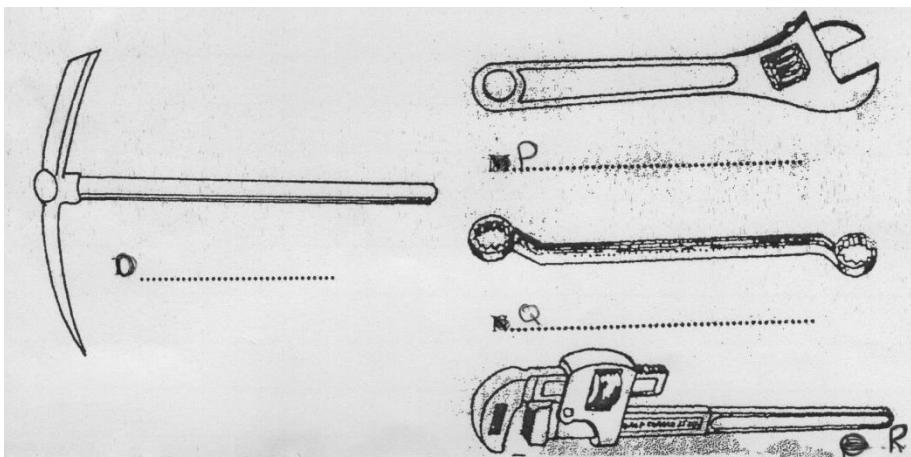
(1mk)

d. State two field conditions under which the implement can work better than others (1mk)

22i) Using Pearson's square method, calculate how much maize meal (8% DCP) and soya bean meal (43%DCP) would be required to prepare a 100kg ration of the mixture containing 15%DCP (3mks)

ii) State four factors considered in selecting feedstuffs for computation (2mks)

23. Below are farm tools, study them and answer the questions that follow



a) Identify the tools

- O
- P
- Q
- R

(2mks)

b) State the use of tool R (1mk)

c) State four reasons for maintaining farm tools and equipments (2mks)

SECTION C

Attempt two questions from this section

24A) Describe East Coast fever under the following sub-headings

- i) Causal organisms (1mk)
- ii) Symptoms of attack (5mks)
- iii) Control measures (4mks)

b. Explain management of a cow during parturition (10mks)

25a. Describe the daily maintenance practices of a tractor (10mks)

b. Describe the characteristics of indigenous cattle that make them more suited to survive in marginal areas (10mks)

26a) Explain the role of livestock industry in Kenya's Economy (10mks)

- b) Explain the principles considered when controlling Endo-parasites (5mks)
- c) Describe the procedure of harvesting honey in a Kenya Top Bar Hive (5mks)