

NAME.....

INDEX NO.....

SCHOOL.....

SIGN.....

DATE.....

443/2
AGRICULTURE
PAPER 2
JULY/AUGUST- 2012
TIME: 2 HOURS

**MARAKWET WEST DISTRICT JOINT EVALUATION TEST
(MAWESSE) – 2012**

Kenya Certificate of Secondary Education (K.C.S.E)

443/2
AGRICULTURE
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JULY/AUGUST- 2012
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INSTRUCTIONS TO CANDIDATES

1. This paper consists of three sections A, B and C
2. Answer all Questions in section A and B
3. Answer any two questions from section C.

For Official Use Only

Section	Questions	Maximum Score	Candidate's Score
A	1 – 17	30	
B	18 – 19	20	
C		20	
		20	
Total Score		90	

This paper consists of 12 printed pages.

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

SECTION A (30 MARKS)

Answer all questions from this section

1. State **two** reasons why calves should be housed in individual pens. (1mk)

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.....

2. Give **four** conditions that reduce the quality of eggs for incubation (2mks)

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3. Mention **four** symptoms of milk fever in dairy cows. (2mks)

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4. State **four** causes of infertility in dairy cattle (2mks)

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5. Outline **four** desirable features of materials required for construction of a pig sty (2mks)

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6. List **four** tools used when constructing a wooden fence. (2mks)

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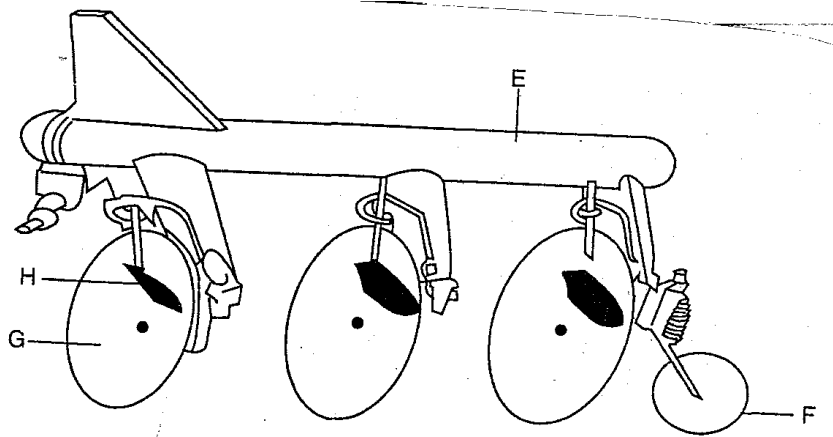
7. State **three** desirable characteristics to be considered when selecting a heifer for milk production. (1 ½ mks)
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-
8. Give **four** signs which indicate that a sow is about to farrow. (2mks)
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-
-
9. Give **two** reasons for treating timber for fencing (1mk)
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-
-
10. Give **four** advantages of deep litter system of keeping poultry (2mks)
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-
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-
-
11. State **four** factors which determine the amount of feed an animal can consume (2mks)
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-
-
-
12. State **two** characteristics of goats that make them adaptable to arid areas of Kenya. (1mk)
-
-
-
13. Give **two** uses of a reciprocating mower. (1mk)
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-
-

14. Differentiate between mothering ability and prolificacy in livestock breeding. (2mks)
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15. Give **two** maintenance practices required on a rip saw. (1mk)
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16. State **two** functions of ventilation in animal houses (1mk)
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17. Define the term caponization as used in livestock management (1mk)
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18. Outline **three** reasons why farm structures should be maintained (1 ½ mks)
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19. Name **four** breeds of goats kept for milk production (2mks)
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SECTION B (20 MARKS)

Answer all questions from this section.

20. (a) Below is a diagram of an implement used for primary cultivation. Study it carefully and then answer the questions that follow



- (i) Identify the implement represented above. (½ mk)

- (ii) Name the parts labeled E – H (2mks)

E.....

F.....

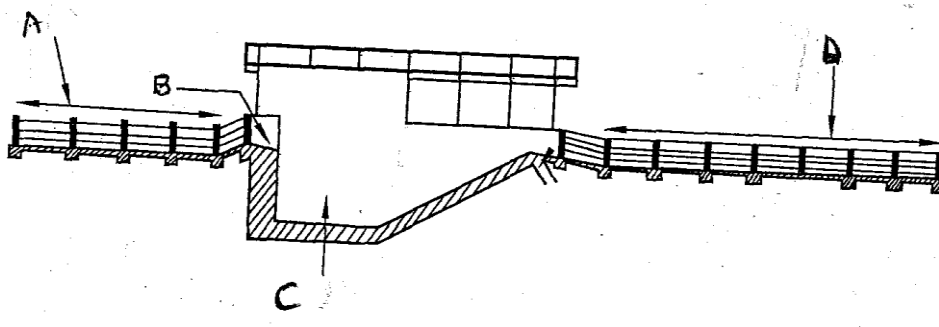
G.....

H.....

- (iii) State **two** ways of increasing the depth of ploughing when using the implement (2mks)

- (iv) Give the reason why the implement is suitable to working in fields with obstacles (1mk)

- (b) The following farm structure is used in tick control.



(i) Identify the structure (½ mk)

.....

(ii) Name the parts labeled A – D (2mks)

A.....

B.....

C.....

D.....

(iii) What is the use of the parts labeled A and D (2mks)

A.....

D.....

21. (a) The diagram below shows a practice common in livestock management



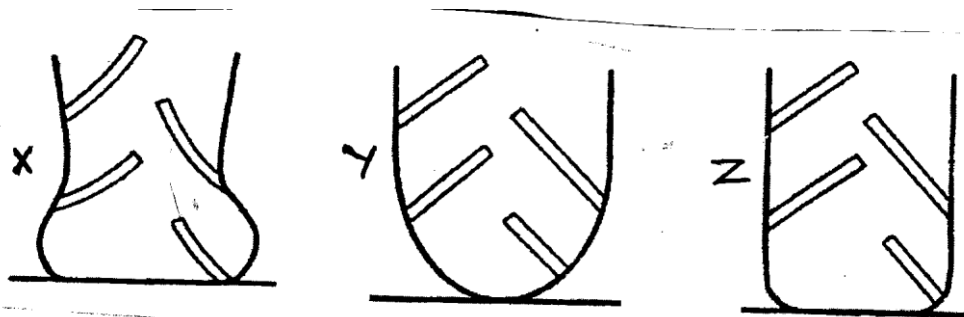
(i) Identify the activity shown (½ mk)

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(ii) Describe the procedure involved in administering the activity (3mks)

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(b) The diagram below show tractor tyres at different pressures.



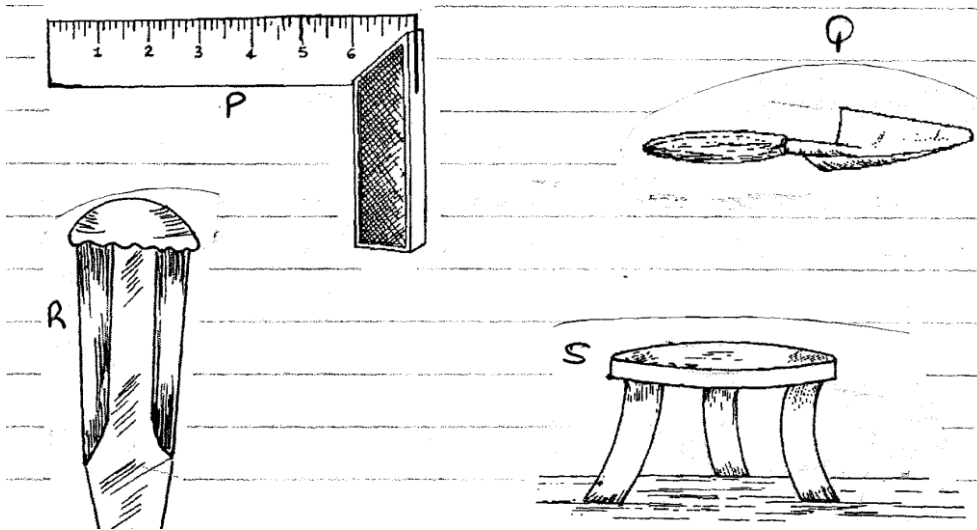
(i) Select the correct tyre pressure (½ mk)

.....
.....

- (ii) Give a reason why each of the wrong tyre pressure is not recommended (2mks)

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22. Study the diagrams below showing various farm tools and answer the questions that Follow.



Identify each of the farm tools and give the use of each tool (4mks)

	Name	Use
P		
Q		
R		
S		

SECTION C (40 MARKS)

Answer two questions from this section in the spaces provided.

23. (a) Describe the preparations that should be carried out for a sow one week before she farrows (6mks)
- (b) Describe the management of cows during parturition (9mks)
- (c) Outline the factors considered in ensuring efficient working by oxen (5mks)
24. (a) What practices are carried out on fish before preservation (4mks)
- (b) Discuss bloat under the following subheadings.
- (i) Causes (2mks)
- (ii) Symptoms (3mks)
- (iii) Control measures (4mks)
- (c) Outline the methods used to control internal parasites in livestock (7mks)
25. (a) Explain the operational differences between a disc plough and a mouldboard

