

NAME.....

INDEX NO. /

SCHOOL

SIGN

443/2
AGRICULTURE
Paper 2
2 Hours

TOP NOTCH EXAM MERIT TWO (PRE-MOCK) 2016
KENYA CERTIFICATE OF SECONDARY EDUCATION.

INSTRUCTION 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 TW questions in section C.
4. Answers should in spaces provided

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAX.SCORE	CANDIDATE SCORE
A	1-17	30	
B	17-21	20	
C		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

SECTION A (40 MARKS)

ANSWER ALL QUESTIONS IN THIS SECTION

1. Name four notifiable diseases of cattle. (2marks)

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2. Outline four qualities of eggs for incubation. (2marks)

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3. State the ingredients required in preparation of artificial colostrum. (2marks)

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4. Give two symptoms of bloat. (2marks)

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5. Give two light breeds of poultry. (1mark)

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6. Name two characteristics that make indigenous cattle better suited to marginal areas than exotic cattle. (2marks)

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7. State four signs of heaf in pigs. (2marks)

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8. Give two reasons for seasoning timber before it is used for construction. (2marks)

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9. State four reasons for dehorning cattle. (2marks)
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10. Differentiate between pin mating and flock mating in poultry. (2marks)
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11. Give four reasons why it is important to maintain farm tools and equipment. (2marks)
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12. State two reasons why hoof trimming is carried out in sheep. (1mark)
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13. Give four factors that affect the digestibility of a feed. (2marks)
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14. Name two livestock diseases controlled through artificial insemination (1mark)
.....
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15. Give the uses of each of the following workshop tools. (2marks)
(i) Centre punch
.....
(ii) Bastard file
.....
16. State two factors that lower the quality of concrete (1mark)
.....
.....
17. Outline four factors that determine the national requirement of an animal. (2marks)
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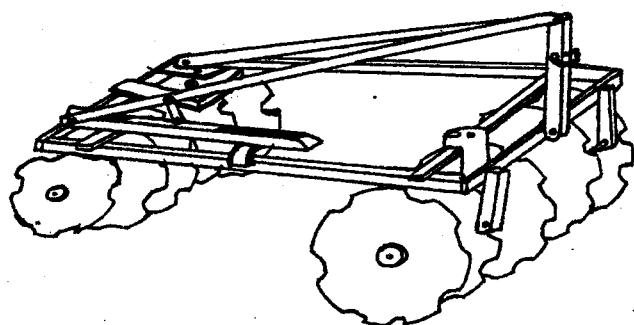
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SECTION B (20 MARKS)

Answer all questions in this section in the spaces provided

18. Below is a diagram of a farm equipment.



i) Identify the equipment. (½ mark)

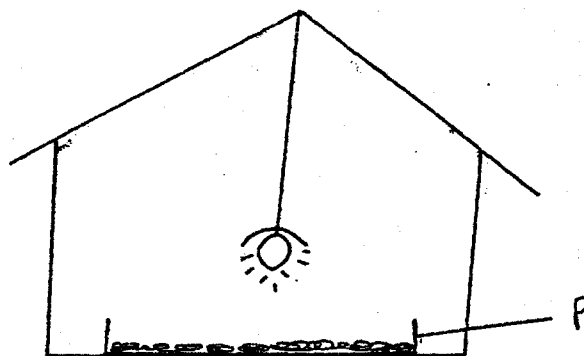
State one function of the toothed edges. (½ mark)

iii) State one methods of increasing the depth of penetration of the equipment. (1 mark)

iv) State four maintenance practices carried out on the equipment shown in the diagram. (2marks)

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19. Below is a diagram of a cross-section of a poultry house showing a set-up of a brooder study it carefully and then answer question 19(a)



9. State four reasons for dehorning cattle. (2marks)
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10. Differentiate between pin mating and flock mating in poultry. (2marks)
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11. Give four reasons why it is important to maintain farm tools and equipment. (2marks)
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12. State two reasons why hoof trimming is carried out in sheep. (1mark)
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13. Give four factors that affect the digestibility of a feed. (2marks)
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14. Name two livestock diseases controlled through artificial insemination (1mark)
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15. Give the uses of each of the following workshop tools. (2marks)
(i) Centre punch
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(ii) Bastard file
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16. State two factors that lower the quality of concrete (1mark)
.....
.....
17. Outline four factors that determine the national requirement of an animal. (2marks)
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(a) What is the purpose of the part labelled P (2marks)

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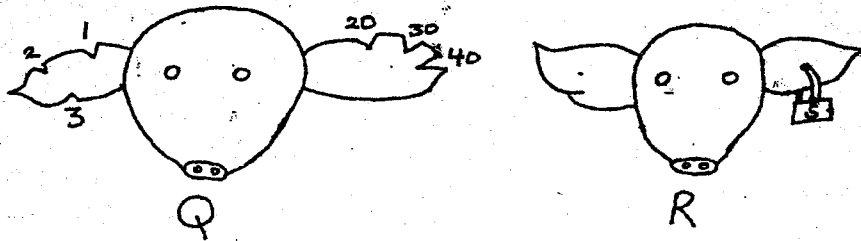
(b) Name any material that would be suitable for use as litter in this brooder (1mark)

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(c) State two observations that would be made on the behaviour of chicks to determine when the temperature in the brooder is too high for the chicks (2marks)

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20. Diagram Q and R below illustrate a practise carried out on livestock. Study diagrams and answer the questions that follow.



(a) State the practice in Q and R (1mark)

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(b) Name the methods carried out in Q and R. (1mark)

Q

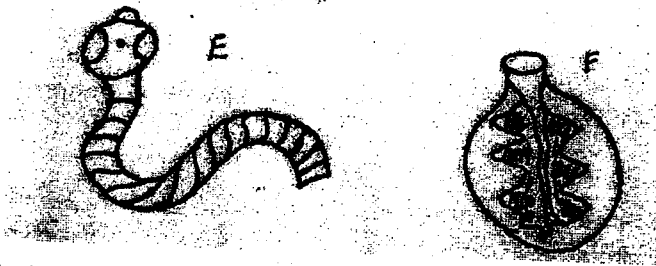
R

(c) State one advantage of practice R over Q (1mark)

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(d) Using method Q draw the animal whose number b 75

21. The diagrams E and F below shows livestock parasites



- (a) Identify parasite labeled E and F (1mark)
- E.....
- F.....
- b) Name the organ in which each parasite is commonly found (1mk)
- i) Parasite E.....
- ii) Parasite F.....
- c) Name the intermediate host of the parasite labeled E (½mark)
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- d) State four control measures of the parasite labeled F in livestock production. (2marks)
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SECTION C (40MARKS)

Answer any two questions from this section

- 22.(a) Describe the life cycle of beef tape worm (*taenia saginata*) (10marks)
- (b) Describe the disease foot and mouth disease under the following sub-headings:
- (i) Causal agent (1mark)
- (ii) Pre-disposing factors (2marks)
- (iii) Symptoms (4marks)
- (iv) Control measures (3marks)
- 23.(a) Describe factors to consider when planning the layout of a mixed farm (12marks)
- (i) Milk secretion (4marks)
- (ii) Milk let down (4marks)
- 24.(a) Describe the preparation you would make before the arrival of day old chicks and their care for the finish one week. (12marks)
- (b) Describe the daily maintenance and servicing of a tractor before use. (8marks)
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