

NAME.....INDEX NO.....
CANDIDATE'S SIGNATURE.....DATE.....
SCHOOL.....

443/2
AGRICULTURE
PAPER 2
MAY/JUNE 2014
TIME: 2 HOURS

EKSIKA JOINT EVALUATION TEST.

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

443/2
AGRICULTURE
PAPER 2
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INSTRUCTIONS TO CANDIDATES.

- This paper consists of THREE sections A , B and C.
- Answer all questions in section A and B.
- Answer TWO questions in section C in the spaces provided.

FOR EXAMINERS' USE ONLY.

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1 – 17	30	
B	18 – 21	20	
C	22 – 24	40	

*This paper consists of 12 printed pages.
Candidates should check the question paper to ascertain that all pages are printed as indicated and
no questions are missing.*

SECTION A (30 MARKS)

Answer all questions

1 State **four** factors that influence the quality of bricks. (2mks)

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2 Give **four** functions of vitamins in livestock production. (2mks)

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3 Give **two** characteristics of a good creep feed. (1mk)

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4 State **two** limitations of wood fuel as a source of firm power. (1mk)

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5 Mention **four** ways in which power is transmitted from the engine of a tractor. (1mk)

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6 Give **four** pre-disposing factors of scours in calves. (2mks)

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7 What is the functional difference between cold chisel and wood chisel. (2mks)

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8 State **three** characteristics of goats that make them adaptable to arid – areas of Kenya. (1 ½ mks)

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9 Give **two** signs that would indicate that a cow has died of cowthrax. (1mks)

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10 List **two** tools you would require when smoothing concrete walls during plastering. (1mk)

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11 List **four** farm structures that would assist in control of livestock parasites. (2mks)

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12 State **three** desirable characteristics to be considered when a heifer for a milk production. (3mks)

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13 Distinguish between interbreeding and out crossing in livestock production. (3mks)

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14 a) Mention **four** reasons why bees swarm. (2mks)

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b) State **two** methods to stock bee hives. (1mk)

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15 State **four** reasons for castrating a male cattle. (2mks)

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16 Give **two** reasons for steaming up in dairy cattle manangement. (1mk)

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17 Give **three** reasons why honey harvesting should be discouraged at night. (1 ½ mks)

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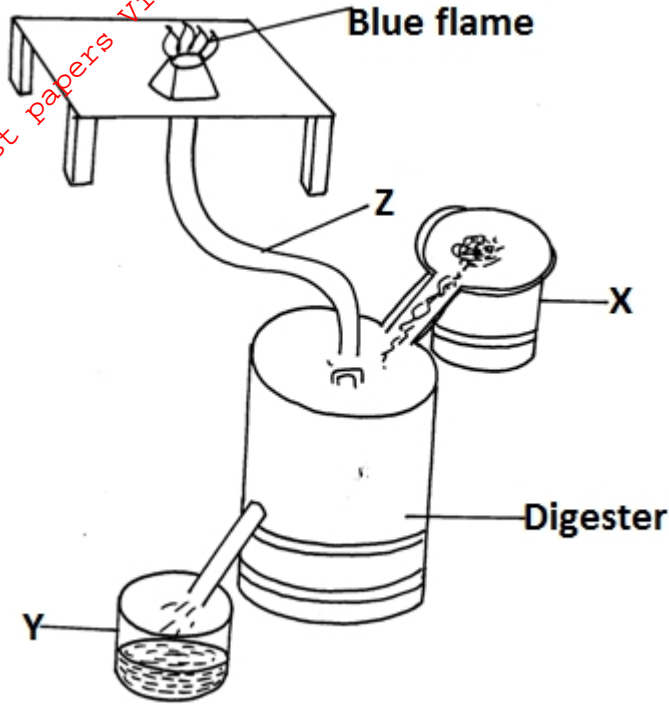
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SECTION B (20 MARKS)

Answer all questions.

18 The diagram below is a biogas digester.



a) Name the parts labeled X and Z. (2mks)

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b) Name **two** inputs periodically channeled through X. (2mks)

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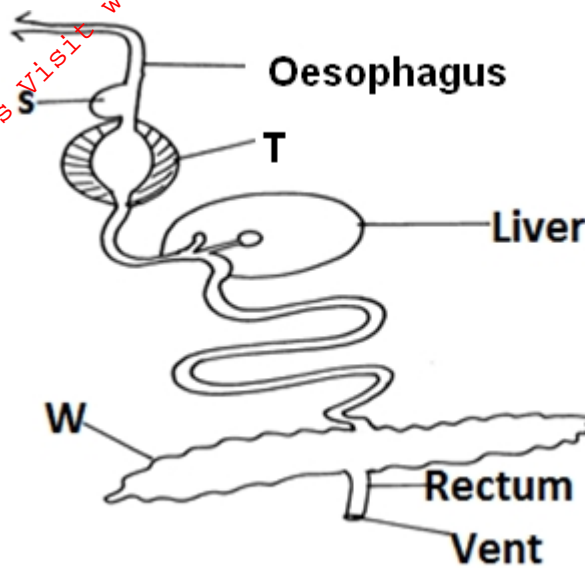
c) Name the use to which material Y is put. (1mk)

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d) Name **two** uses of biogas on the farm. (1mk)

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19 Below is the diagram of a digestive system, use it to answer the question that follows.



i) Which farm animal has a digestive system similar to the above system. (1mk)

ii) Name the parts labeled S, T and W. (3mks)

S.....

T.....

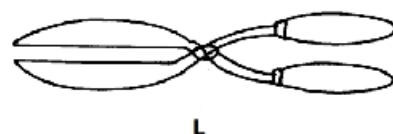
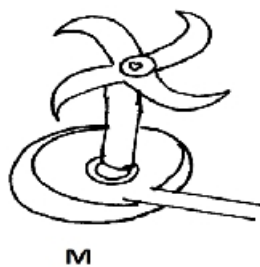
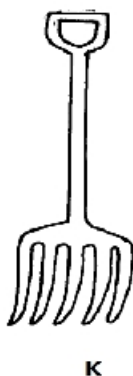
W.....

iii) Explain the work of the parts S and T. (2mks)

S.....

T.....

20 Study the diagrams below and answer the questions that follow.



a) Identify the tools K, L, M and N. (2mks)

K.....

L.....

M.....

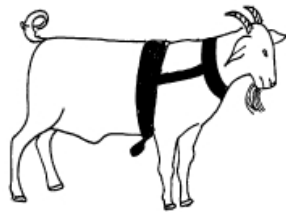
N.....

b) Give the use of K and L. (2mks)

K.....

L.....

24 The diagram below illustrates a breeding management practice.



a) Identify the practice. (1mk)

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b) Outline **three** reasons for carrying out this practice. (3mks)

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c) Give three causes of infertility in farm animals. (3mks)

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SECTION C (40 MARKS)

Answer any two questions from this section on the space provided

22 a) Describe the factors to be considered before siting a cattle dip. (4mks)

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b) Name any **six** essential parts of a spray race and describe their functions. (6mks)

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c) Describe **five** disadvantages of using a spray race. (5mks)

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d) Give **five** advantages of Kenya Top Bee Hive. (5mks)

23 a) Describe hand milking in a dairy cow. (12mks)

b) Explain the practices observed in a clean milk production. (8mks)

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