

FORM FOUR CLUSTER KCSE MODEL12

AGRICULTURE PAPER 1 QUESTIONS

SECTION A (30 Marks)

Answer all questions in this section in the spaces provided.

1. State four maintenance practices for a knapsack sprayer. (2 marks)
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2. State four factors that are considered when formulating a livestock ration. (2 marks)
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3. List three causes of infertility in a dairy goat. (1½ marks)
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4. Give two problems associated with the tractor hire services that farmers encounter. (1 mark)
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5. List four routes through which pathogens can enter the body of an animal. (2 marks)
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6. Give two products of microbial digestion in the rumen of an animal. (1 mark)
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7. Name four tools that are used when laying concrete blocks during construction of a wall. (2 marks)
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8. State four conditions that can make a cow to withhold milk during milking. (2 marks)
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9. Give two reasons for raddling in sheep management. (1 mark)
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10. Name the tools used during the following livestock management practices. (1 ½ marks)
 - i. Hoof trimming
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 - ii. Dusting
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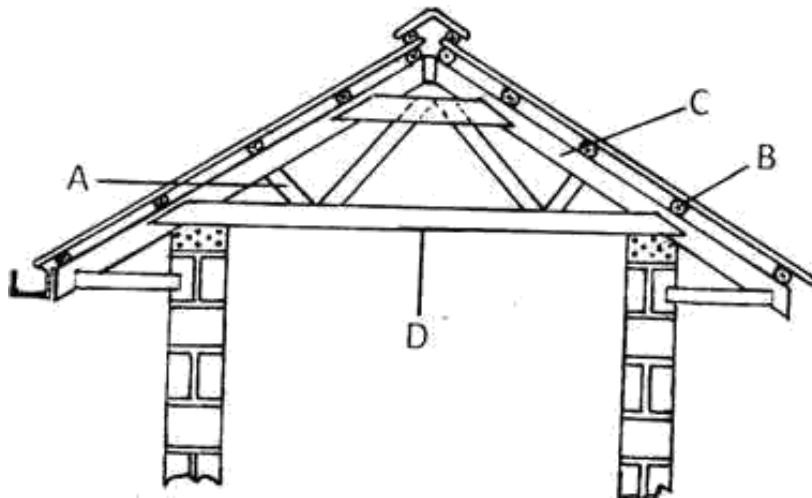
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iii. Deworming using solid drugs
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11. . A dairy cow under zero- grazing system weighs 700 kg. Calculate how much of dry matter it takes given that it requires 2.5 kg for every 100kg live weight. (2 marks)
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12. Name a livestock disease with the following characteristics: chewing wood, bones and rocks.(1 mark)
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13. State four advantages of using animal power in the farm. (2 marks)
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14. . Distinguish the functional difference between a cross-cut saw and a rip-saw. (1 mark)
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15. Give four disadvantages associated with air-cooled tractor engines. (2 marks)
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16. . Give the meaning of the following terms as used in livestock diseases. (2 marks) i. Incubation period.
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.....
- ii. Infectious disease
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17. . List four management practices carried out in a fish pond for optimum fish production. (2 marks) .
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18. . Name four parts of the power transmission system of a tractor. (2 marks)
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.....

SECTION B (20 Marks)

Answer ALL the questions in this section in the spaces provided

19. The diagram below represents roof of a building.



i. Identify the parts labeled A, B, and C. (1½marks)

A

B

C

ii. Give four factors considered when siting farm buildings and structure. (2 marks)

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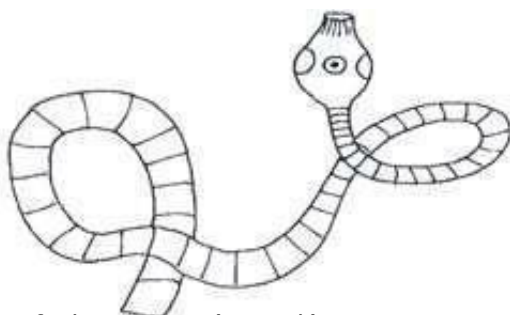
iii. Explain three factors which would be considered in choosing materials for construction of farm buildings and structures. (1 ½ marks)

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20. The diagram below shows a livestock parasite.



a) Identify the parasite. (½ mark)

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b) In which organ in livestock is the parasite found. (½ mark)

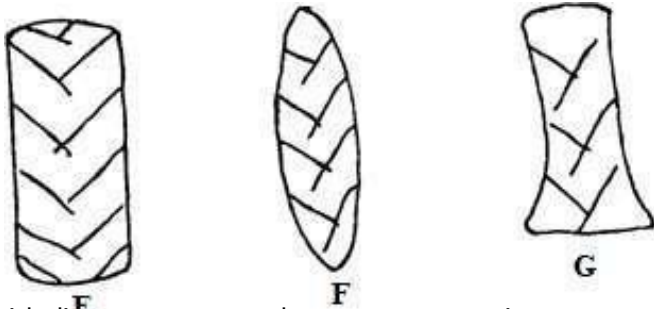
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c) Name one intermediate host of the parasite. (½ mark)

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d) Outline three symptoms of attack in livestock by the above parasite. (3 marks)

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e) State three methods by which the parasite can be controlled. (1½ marks)

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21. The diagram below represents conditions of a tractor tyre.

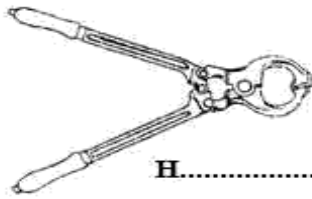


i. Which diagram represents the correct pressure in a tractor tyre? (½ mark)

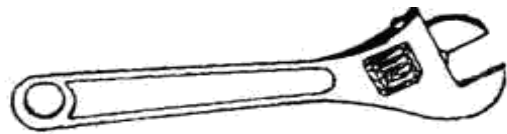
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ii. Identify the mistakes with the other two tyres. (2 marks)

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iii. Give the correct measures taken for each tyre mentioned in (b) above. (2 marks)

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22. The illustrations below represents farm tools. Study them and answer questions that follow.



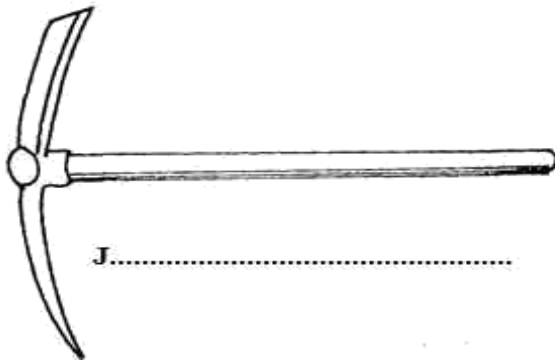
H.....



K.....



L.....



J.....



M.....

i. Identify the tools labeled H, K, L, and J (2marks)

- H.....
- K.....
- L.....
- J.....

ii. Give one functional advantage of tool K and L. (1mark)

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iii. State three maintenance practices carried out on tool M. (1½ marks)

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SECTION C (40 Marks)

Answer any two questions from this section in the spaces provided after question 25.

23. (a) Describe Coccidiosis under the following sub-headings.

i. Causal organism (1 mark)

ii. Signs of attack/infection. (5 marks)

iii. Control measures (4 marks)

(b) Give five advantages of a two-stroke engine over a four stroke engine cycle. (5 marks)

(c) Discuss the essentials of clean milk production in a herd. (5 marks)

24. (a) Describe the rearing of lambs from lambing up to weaning time. (10 marks)

