

FORM FOUR CLUSTER KCSE MODEL9

AGRICULTURE PAPER 2 QUESTIONS

SECTION A (30 Marks)

Answer ALL questions

1. Give a functional difference between

a) Mortise gauge and marking gauge.

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b) Milking bucket and milk churn.

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2. a) State THREE advantages of using contemporary comparison as a method of selecting livestock for breeding.

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b) A part from contemporary selection, name TWO other methods of selecting animals for breeding.

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3. Name TWO dual purpose breed of sheep.

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4. State THREE maintenance practices you would carry out on an ox-plough in order to improve the working efficiency.

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5. a) State THREE factors considered in choosing a suitable rearing system in poultry farming.

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b) State THREE advantages of natural method of calf rearing.

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6. a) State THREE conditions that may make it necessary to feed bees on the farm.

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b) State TWO predators of bees.

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7. a) Distinguish between a maintenance ratio and production ratio as used in livestock feeding.

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- b) State TWO qualities of a good production ratio.

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8. a) Name TWO nutritional disorders in livestock due to mineral deficiency.

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- b) Name TWO methods you would advise a farmer to use in dehorning young calves.

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- c) State TWO reasons why castration of young calves is considered an important practice in livestock farming.

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9. a) State THREE methods of treating timber.

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- b) Name three parts of a farm building.

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10. State TWO reasons why it is important to carry out flushing in sheep management.

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11. State FOUR advantages of a four stroke cycle engine.

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12. State FOUR examples of tractor implements which are attached to the tractor at the point of the drawbar only.

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13. a) What is natural mating?

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b) State THREE advantages of natural mating.

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14. a) Distinguish between concentrate and roughages.

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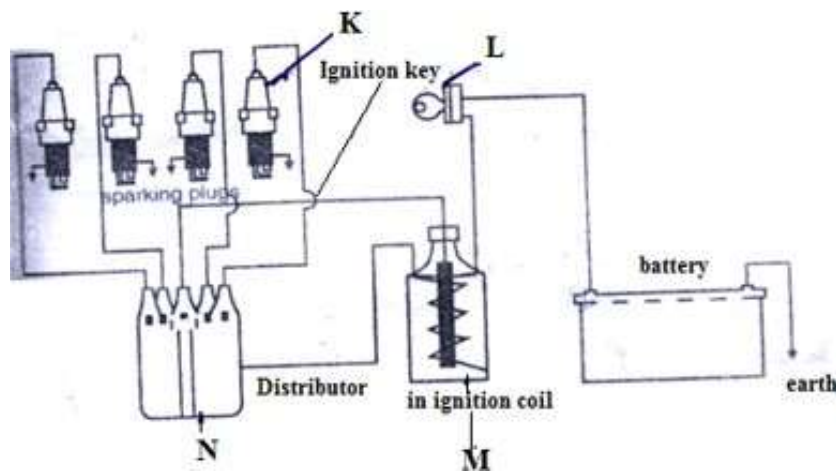
b) Give TWO examples of energy concentrates.

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SECTION B (20 Marks)

Answer ALL questions

15. Study the diagram below and answer the questions that follow.



a) Identify the system of a tractor illustrated above.

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b) Name the parts labeled

K..... L.....
..... M..... N.....
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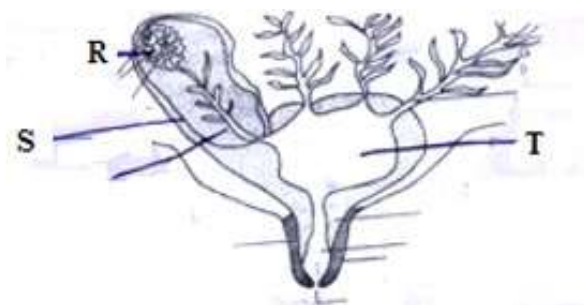
c) State TWO common faults of the ignition system.

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d) State THREE maintenance practice of ignition system.

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16. Study the diagram below and answer the questions that follow.



a) Identify the structure illustrated in the diagram above.

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b) Name ONE disease likely to attack the above illustrated structure.

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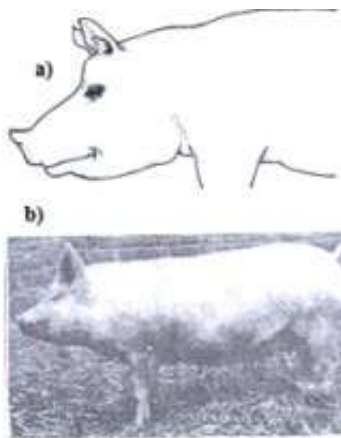
c) Name the parts labeled R, S and T.

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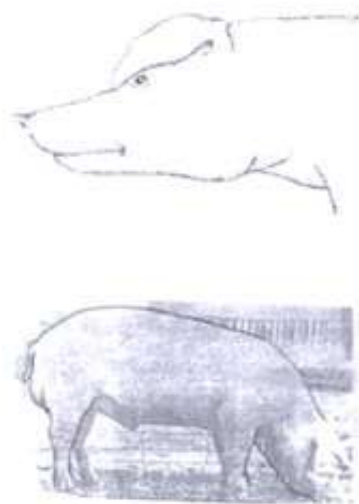
d) State the structure where synthesized milk is stored.

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17. The illustrations below show two different breeds of pigs. Study them and answer the questions that follow.



Q1



Q2

a) Which of the illustrations Q1 and Q2 shows

i. A large white breed of pig? Give a reason for your answer.

Breed.....
Reason.....

b) Which of the illustrated diagrams shows a landrace breed of pig? Give a reason for your answer.

Breed.....
Reason.....

c) A part from the illustrated breeds, name TWO other breeds of pigs kept in Kenya.
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SECTION C (40 Marks)

Answer any TWO questions

18. a) Describe the essentials of clean milk production.

b) Describe trypanomiasis (Nagana) attack in cattle under the following.

i. Causal organism.

ii. Symptoms

iii. Control measures

19.
 - a) Describe the factors considered when sitting farm structures.
 - b) Describe the construction of rabbit hatch under the following
 - i. Sitting of the rabbit hutch.
 - ii. Selection of construction materials.
 - iii. Requirement of rabbit hutch.
20.
 - a) Describe the process of egg formation in poultry.
 - b) Describe the procedure followed in harvesting honey in a Kenya Top Bar Hive.