

NAME DATE

INDEX NO. CANDIDATE'S SIGNATURE

443/2
AGRICULTURE
PAPER 2 (THEORY)
July/August, 2010.
TIME: 2 HRS

MBOONI WEST DISTRICT JOINT EVALUATION TEST

Kenya Certificate of Secondary Education

443/2
AGRICULTURE
PAPER 2 (THEORY)
TIME: 2 HRS

Instructions

Write your name and admission number in the spaces provided above.

This paper consists of three sections **A**, **B** and **C**.

Answer **ALL** the questions in section **A** and **B**, and any **TWO** questions in section **C**.

All answers **MUST** be written in the spaces provided.

Do not remove any pages from this booklet.

FOR EXAMINER'S USE ONLY

Section	Questions	Maximum score	Candidate's score
A	1-16	30 marks	
B	17-19	20 marks	
C	20-22	40 marks	
Total marks			

*This paper consists of 10 printed pages.
Candidates should check to ensure that all pages are printed as indicated and no questions are missing*

SECTION A. (30 MARKS)

Answer ALL the questions in the spaces provided.

1. Name a breed of pig which has the following characteristics: black body with a white patch in the shoulders. (1 mark)

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2. Distinguish between a zoonotic disease and a notifiable disease. (2 marks)

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3. State **four** aims of livestock breeding. (2 marks)

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4. State **three** factors considered when siting a poultry house. (1½ marks)

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5. State **two** advantages of using wood in the construction of farm building. (1 mark)

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6. List any **four** farm structures that are necessary for holding dairy animals. (2 marks)

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7. Name **two** methods of harvesting fish from a fish pond. (1 mark)

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8. List **five** maintenance practices of a mould board plough. (2½ marks)

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9. Give **two** reasons why artificial insemination is not popularly used as a mating system in pigs (1 mark)

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10. Give any **four** non-chemical methods of controlling ticks in the farm (2 marks)

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11. Outline **four** characteristics that enable camels to survive in deserts (2 marks)

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12. If feed stuff A contains 7% DCP and B contains 62% DCP. Calculate the amount of each feed stuffs in kilogrammes required to prepare 100 Kg of chick mash containing 100% DCP. (Use Pearson's square method) (3 marks)

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.....
13. Name four predilection sites for ticks in cattle. (2 marks)

14. (a) What organism causes Brucellosis in dairy cattle?

(1

mark)

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(b) State **four** signs of brucellosis in dairy cattle

(2 marks)

.....

(c) State **four** control measures that should be used to control brucellosis in dairy cattle

(2 marks)

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15. Name **four** causes of pecking and cannibalism

(2 marks)

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16. State the use of the following plumbing tools

(2 marks)

a. Stock and die

.....

.....

b. Pipe wrench

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SECTION B. (20 MARKS)

Answer ALL the questions in the spaces provided.

17. The diagram below shows a livestock parasite.

a. Identify the parasite

(1 mark)

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b. Name **two** species of livestock the parasite infests.

(1 mark)

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.....
 c. How is the parasite passed from livestock to human being? (1 mark)

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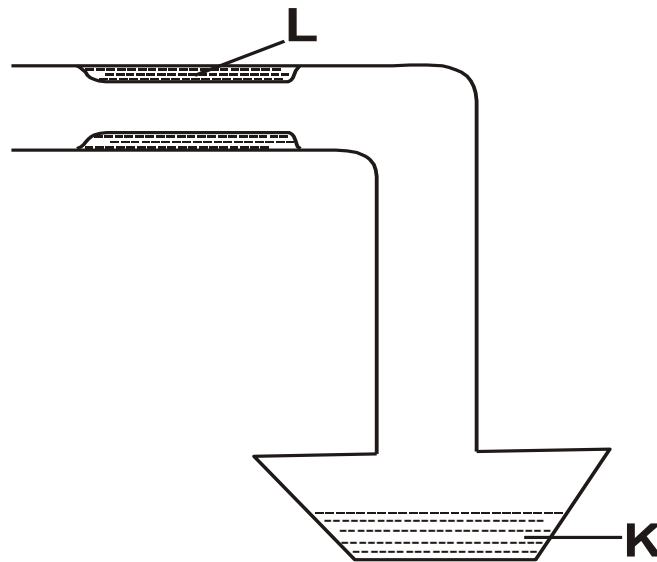
d. Give **two** forms in which the parasite is found in livestock (2 marks)

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e. State **two** methods by which this parasite can be controlled. (1 mark)

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18. The illustration below shows a livestock equipment. Study it and answer the questions that follow



a. Identify the equipment (1 mark)

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b. Identify parts:

i) K

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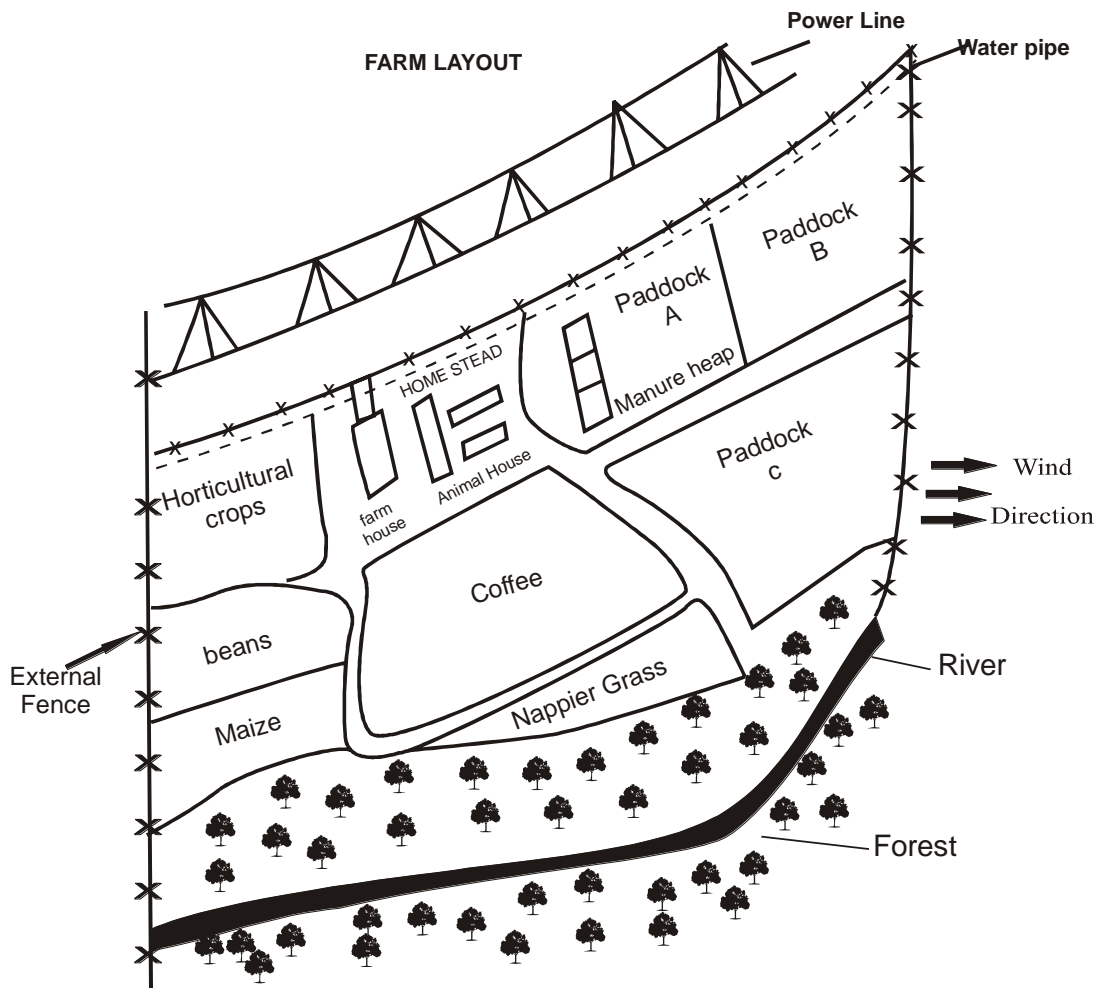
ii) L (2 marks)

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c. State three signs of heat in rabbits (3 marks)

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19. Below is a farm layout study it and answer the questions that follow.



(a) State **three** advantages of having the homestead where it is located. (3 marks)

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(b) Why is it important have the forest along the river? (1 mark)

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(c) What sites would be appropriate to allocate beehive? (1 mark)

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(d) Give **three** reasons for your choice in (a) above (3 marks)

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SECTION C. (40 MARKS)

Answer only TWO questions from this section in the spaces provided after question 22.

- 20.** (a) Discuss the factors that may predispose livestock to certain diseases. (5 marks)
- (b) State the symptoms of tapeworm attack on livestock.
- (c) Describe the general methods of controlling livestock diseases. (10 marks)
- (d) Give **two** methods through which the tractor drawn implements are attached. (2 marks)
- 21.** (a) Describe the different parts of cattle dip giving function of each. (12 marks)
- (b) Give **three** differences between a petrol engine and diesel engine.
- (c) State **three** main practices necessary for a tractor battery. (3 marks)
- (d) Give **two** methods through which the tractor drawn implements are attached. (2 marks)
- 22.** Explain the management practices carried out on piglets from birth to marketing. (20 marks)

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Dotted lines for writing.

