

NAME.....INDEX NO.....

CAND. SIGN.....

DATE.....

443/2

AGRICULTURE

PAPER 2

[THEORY]

MARCH/APRIL 2016

2 HOURS

MOKASA AGRICULTURE PAPER 2 EXAMINATION

INSTRUCTIONS

[a] Write your name and index number in the spaces provided above .

[b] Sign and write the date of examination in the spaces provided above .

[c] This paper consists of three sections : A ,B,C .

[d] Answer all the questions in Section A and B and any two questions in Section C

[e] All answers should be written in the spaces provided on the question paper .

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX.SCORE	CAND. SCORE
A	1-19	30	
B	20-23	20	
C	24 ,25 ,26	20	
	24 ,25 ,26	20	
TOTAL SCORE		90	

SECTION A [30 MARKS]

Answer all the questions in this section in the spaces provided .

1.Name four dairy breeds of goats .[2marks]

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2.Give four characteristics of clean and high quality milk .[2marks]

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3.Name two classes of livestock feedstuff .[1mark]

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4.Give three systems of out breeding .[1.5marks]

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5.Give the pathogens that cause the following livestock diseases .

[a] Anthrax [0.5marks].....

[b] Gumboro [0.5marks].....

6.State two reasons for hoof trimming in livestock .[1mark]

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7.Give four symptoms of Newcastle disease .[2marks]

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8.State four management activities done to piglets immediately after parturition
.[2marks].....

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9. Give four pre disposing factors of mastitis in dairy cows .[2marks]

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10.State four routine management practices carried out on a replacement stock
that is a heifer.[2marks]

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11. Outline two control measures of roundworms. [1mark]

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12.Give two maintenance practices carried out on a barbed wire fence . [1mark]

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13. [a] Name a pig breed that is purely black with a long back and drooping ears .
[0.5mark].....

[b] Name four materials collected by bees . [2marks]

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14. State four mechanical methods of controlling ticks .[2marks]

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15. Give two roles of ovaries in a cows reproductive system . [1mark]

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16. State four reasons that make keeping of rabbits popular. [2marks]

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17. Give two roles of a bee drone . [1 mark]

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18.State four management practices carried out in a deep litter system of poultry keeping . [2marks]

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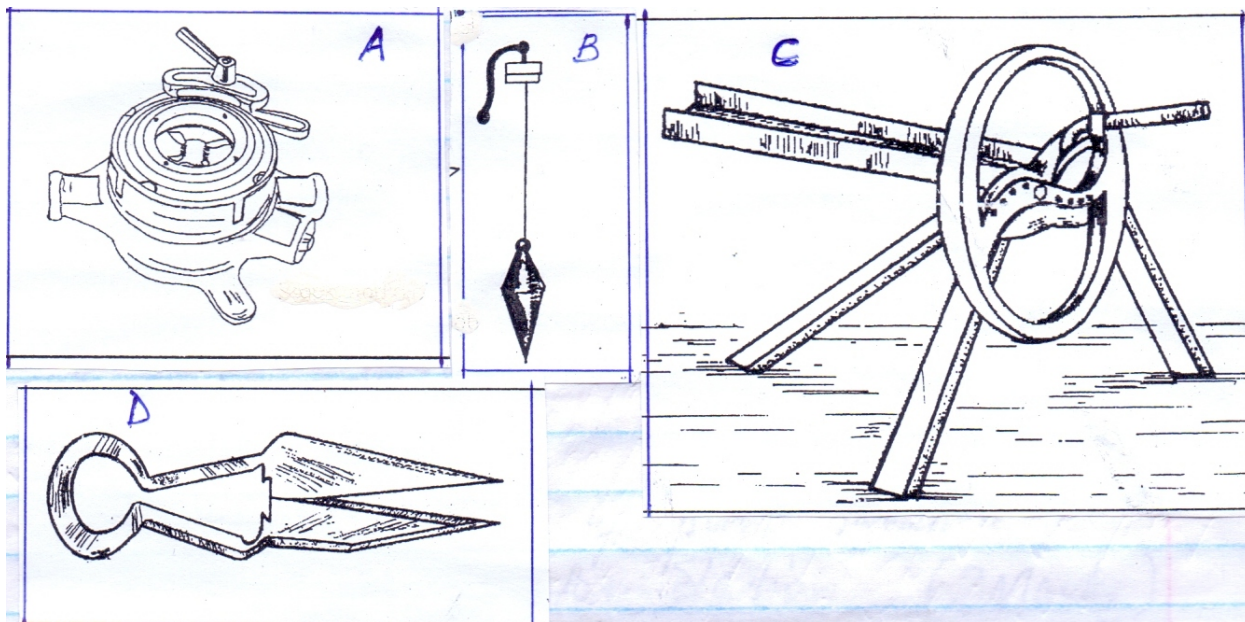
19. Name two functions of a clutch in the tractors transmission system .[1mark]

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SECTION B [20MARKS]

Answer all the questions in this section in the spaces provided .

20.The diagrams below represent some farm tools and equipment .Study them and answer the questions that follow .



[a]Identify the tools labeled A and B

A..... [1mark]

B..... [1mark]

[b]State one use of each of the tools labeled C and D

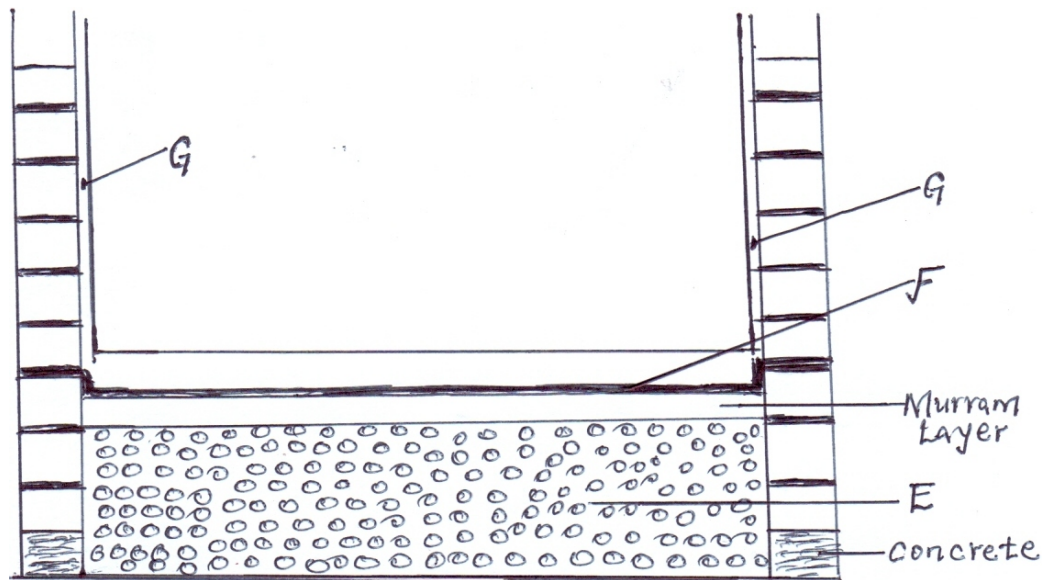
C..... [1mk.]

D..... [1MK.]

[c] Explain one maintenance practice carried out on tool D . [1mk.]

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21.The diagram below represents a foundation of a farm structure .Study it and answer questions that follow .



[a] Identify the parts labeled E and F .

E..... [1mk.]

F..... [1mk.]

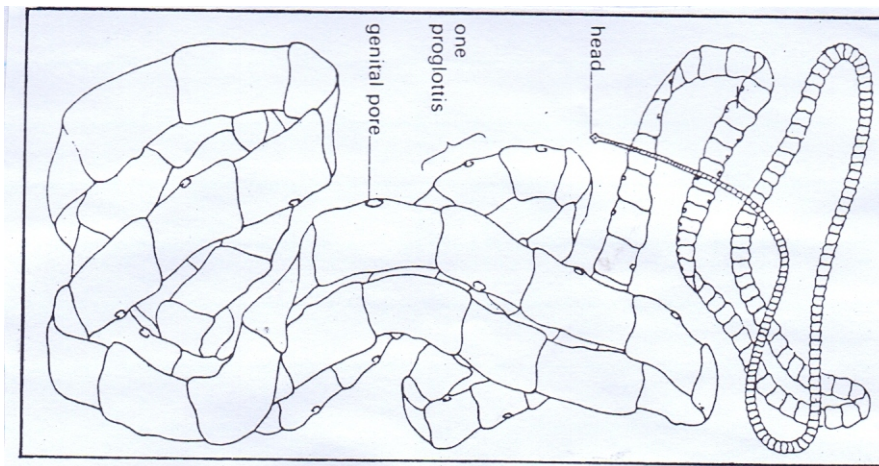
[b]State two uses of part labeled F in a foundation structure . [2mks.]

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[c]What ingredients are used to complete part G . [1mk.]

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22.The diagram below illustrates an internal parasite of livestock .



[a] Identify the parasite above . [1mk.]

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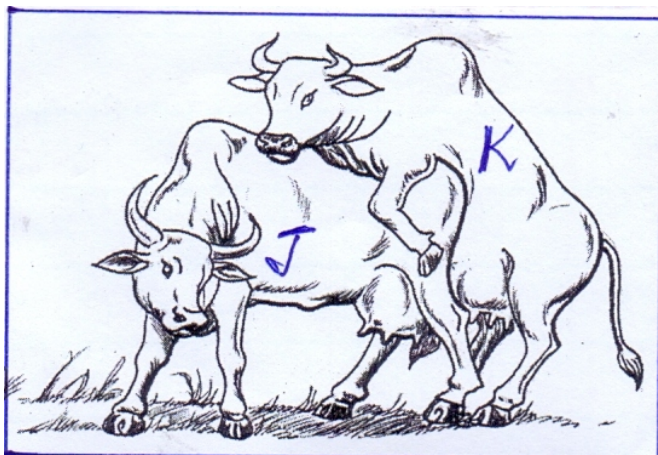
[b]Name two common species of the parasite illustrated above . [2mks.]

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[c] Give two control measures of the above parasite . [2mks.]

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



[a] Which of the above cows shows the signs of heat ? [1mk.]

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[b] Give one reason to confirm your answer in [a] above .

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[c] State two benefits of natural mating system . [2mks.]

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[d] Name a disease that is easily spread by this method of mating . [1mk.]

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SECTION C [40MARKS]

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

24. [a] Describe six signs of farrowing in a sow . [6mks.]

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[b] Explain six benefits of the Kenya top bar hive . [6mks.]

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[c] Explain eight factors considered when siting farm structures .[8mks.]

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25. [a] Describe rinderpest disease under the following sub headings .

Animals affected . [2marks]

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Causal organism . [1 mark]

Symptoms of attack . [5 marks]

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Control measures . [2 marks]

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[b] Describe the digestion of food in poultry from the beak to the duodenum
.[5marks]

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[c] Explain five uses of solar energy in a farm . [5marks]

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26. [a]Describe the working of a two stroke cycle engine . [10mks.]

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[b] Explain five factors considered when siting a fish pond. [5mks.]

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[c] Explain five reasons for swarming of bees. [5mks.]

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