

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

**443/2**

**AGRICULTURE PAPER 2**

**2HOURS**

**INSTRUCTIONS TO CANDIDATES**

[a]Write your name and index number in the spaces provided at the top of this page.

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

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

[d]Answer all the questions in sections A and B .Answer two questions in section C

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

**FOR EXAMINERS USE ONLY.**

SECTION	QUESTIONS	MAX.SCORE	CANDIDATES SCORE
A	1---24	30	
B	25—29	20	
C	30 ,31 ,32	20	
	30 ,31 ,32	20	
TOTAL SCORE		90	

**SECTION A [30 MARKS]**

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

1. Name a breed of goats that has long hair .[0.5mks.]

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2. Give three factors that should be considered when sitting a bee-hive in the farm [1.5marks]

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3. State four management practices that would ensure maximum harvest of fish in a fish pond [2marks]

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4. Give two reasons why walls of dairy sheds should be white –washed instead of painted with water or oil paint .[1mark]

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5. What is the intermediate host for liver fluke? [0.5mks.]

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6. What is the duration of estrus cycle in a cow? [0.5mks.]

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7. If a dairy cow was noticed to be showing first signs of heat at 6.00am. What time should she be inseminated? [1mark]

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8 Give four factors that determine the amount of water required by an animal. [2marks]

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9. Name three holding tools and equipment .[1.5marks]

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10. Give three functions of a combination squire. [1.5marks]

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11. State three functions of the differential in a tractors power transmission.[1.5mks]

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12. State three factors that contribute to a high working efficiency of a disc harrow.[1.5marks]

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13. List three products obtained from dromedary camel.[1.5marks]

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14. If the records showed that a rabbit doe was served on 27<sup>th</sup> September 2014 what date did she give birth/kindle? [0.5marks]

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15. Give two signs that would show that a rabbit doe is about to parturate. [1mk.]

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16. under what conditions would it be necessary to use a file to smoothen a piece of wood instead of using a smoothing plane? [0.5marks]

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17. What is the use of a plumb-bob ?[0.5marks]

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18. State four characteristics of a corriedale sheep breed. [2marks]

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19. State any two disadvantages that may arise from inbreeding in livestock production .[1mark]

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20.Name four cattle diseases caused by bacteria .[2marks]

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21.Name any two methods recommended for identifying goats .[1mark]

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22.State three field conditions under which a disc plough should be used instead of a mould board plough .[1.5marks]

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23.Give three symptoms of milk fever in dairy cattle .[1.5marks]

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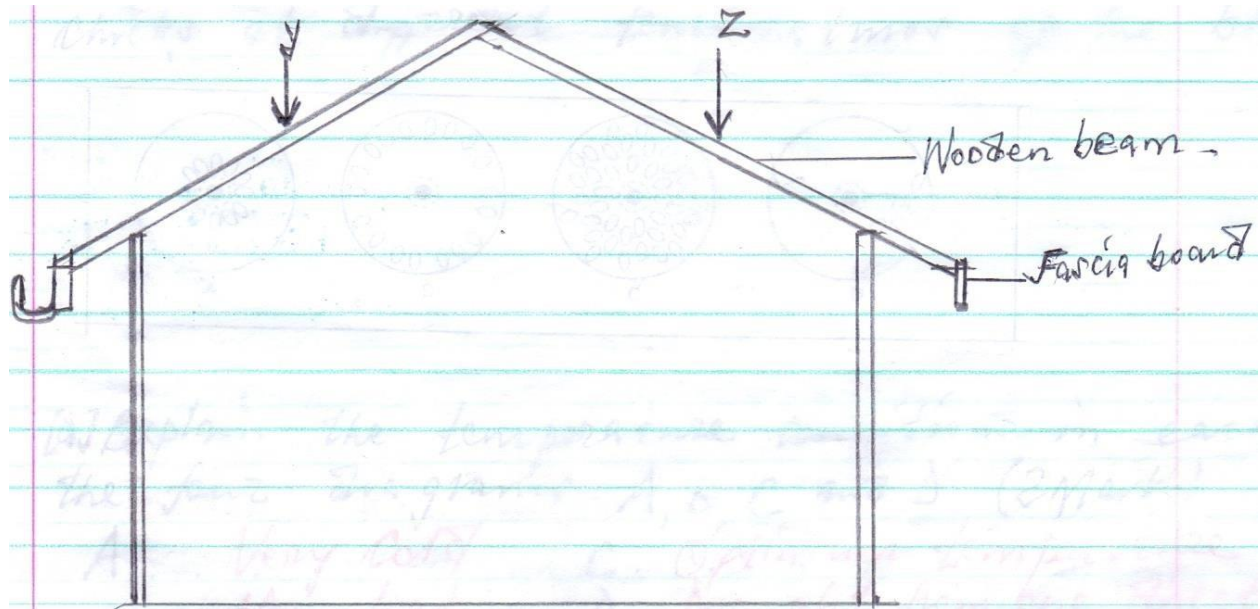
24.Give four reasons for steaming –up dairy animals.[2marks]

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**SECTION B [20MARKS]**

Answer all questions in this section in the spaces provided .

25.The drawing below shows the cross-section of a house under construction. Study it carefully and answer questions that follow .



[a] Assuming that the wooden beams are strong enough to hold the roof load. What is the most likely thing to happen when the roof load exerted presses at point Y and Z. [1mark]

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[b] On the diagram provided draw and label two constructional features you would add to this structure in order to make it more efficient. [2marks]

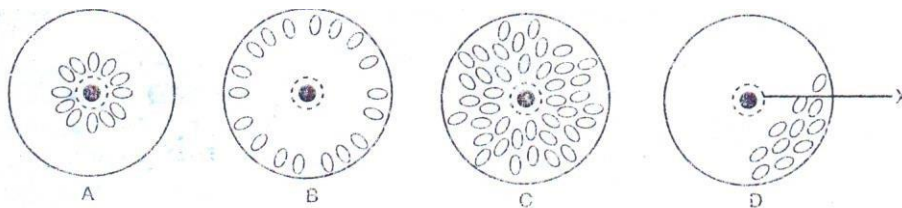
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[c] State two importance of the fascia board in the farm building. [2marks]

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26. The following illustration show the behavior of chicks at different temperatures of the brooder.



[a] Explain the temperature conditions in each of the four diagrams A ,B ,C ,and D.[2marks]

A.....B.....

C.....D.....

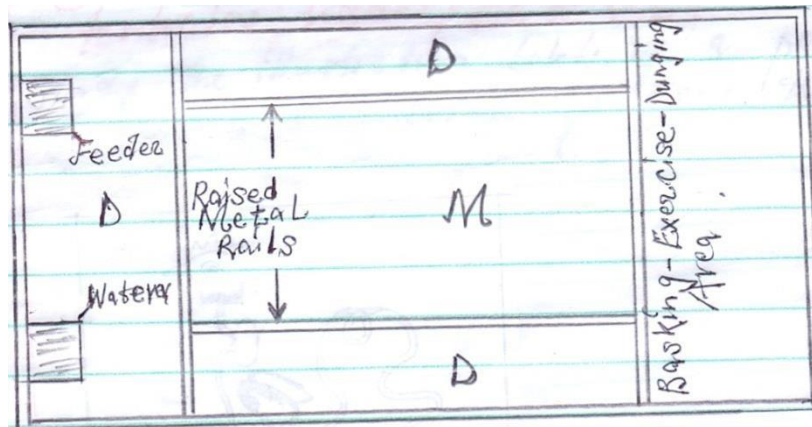
[b] Give one method of assessing temperature in the brooder.[1mark]

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[c] Name two other behavioral observations on chicks when temperature is very high in the brooder.[2marks]

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27. The illustration below shows a pig farrowing pen .Study it and answer questions that follow.



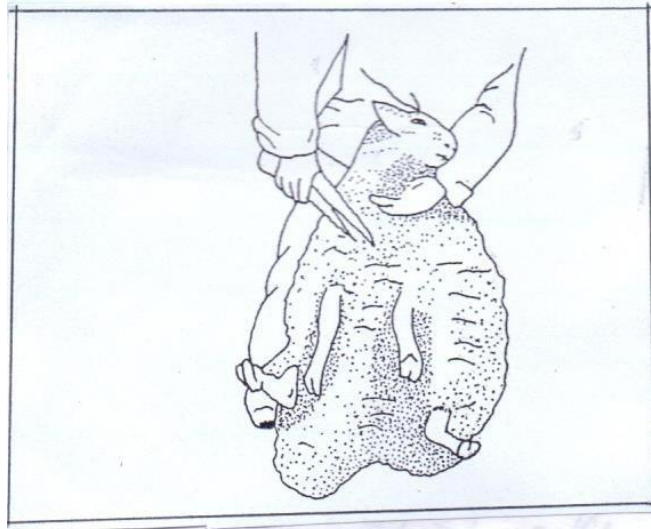
[a] What is the use of the raised metal rails.[1mark]

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[b] Give two uses for the parts labeled D[2marks]

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28. Below is an illustration representing a practice carried out in sheep. Study it and answer questions that follow.



[a] Identify the practice illustrated above. [1 mark]

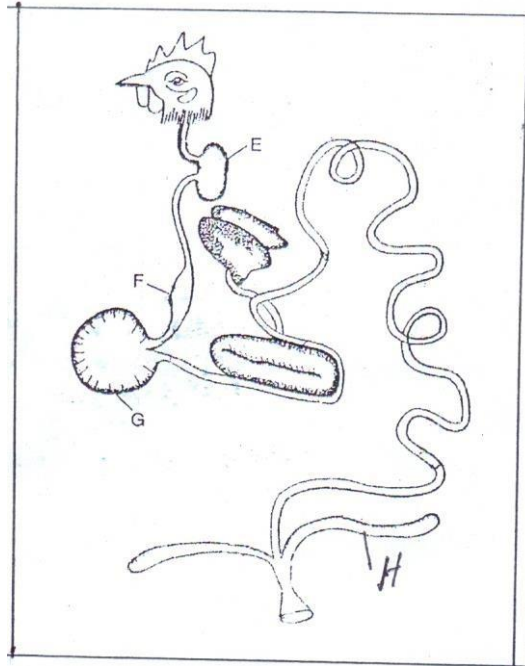
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[b] State three precautions taken when carrying out the above practice. [3 marks]

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29. Study the illustration below of a poultry digestive system and answer questions that follow.





[a] Give two functions of part E. [2marks]

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[b] State one function of part H. [1mark]

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**SECTION C [40MARKS]**

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

30.[a]Describe ten factors that are considered during the selection of a breeding stock.[10marks]

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[b]Describe five effects of parasites on livestock.[5marks]

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[c]Describe the mechanical control measures of ticks.[5marks]

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31.[a]Outline five reasons why bees swarm away.[5marks]

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[b]Discuss the preparations and practices that should be carried out on a pregnant sow 10 days before she far rows.[5marks]

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[c]Describe Gumboro disease under the following sub headings.

Causal organism [1mark]

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Livestock attacked [1mark]

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Symptoms of the disease [6marks]

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Control measures [2marks]

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32.[a] Explain five advantages of animal draught power.[5marks]

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[b] Discuss the importance of lubrication system in a tractor.[4marks]

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[c] Explain six factors considered when selecting construction materials for farm structures .[6marks]

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[d] Give five qualities of a good calf pen.[5marks]

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