

FORM 4 TERM 1 OPENER

AGRICULTURE

NAME..... ADM NO.....

CLASS..... SIGN.....

INDEX NO..... DATE.....

443/2

AGRICULTURE

PAPER 2

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- This paper contains **three** sections A, B and C
- Answer **ALL** the questions in section A and B
- Answer any **Two** questions from section C
- All answers should be written in the spaces provided.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-14	30	
B	15-18	20	
C		20	
		20	
TOTAL		90	

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SECTION A (30 MARKS)

Answer all questions in this section

1. State four characteristics of exotic dairy breeds. 2mks

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2 Differentiate between the following terms:- 2mks

a) A steer and a bullock.....
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b) Boar and sow.....
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3. name two tools used for dehorning 1mk

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4. Name two hormones that control milk let-down. 1mk

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5. State four signs of farrowing in pigs.

2mks
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6. Outline four management practices carried out while rearing a heifer. 2mks

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7. State two effects caused by keds in sheep. 1mk

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8. Outline four characteristics of an African wild bee. 2mks

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9. Name the breeding terms used to describe parturition in the following farm animals:- 2mks

a)Cattle.....

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b)

Goat.....

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c)Sheep.....

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d)

Rabbit.....

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10. Name four routes through which the vaccines can be administered. 2mks

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11. State two abnormalities observed during egg candling. 1mk

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12. State four advantages of natural incubation. 2mks

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13. Outline four disease causing micro-organism 2mks

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14. State two factors that determine amount of water required by a dairy cow. 1mk

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15. Name two dual purpose sheep breeds. 1mk

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16. Name four parts found in a piggery unit. 2mks

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17. State four advantages of embryo transplant. 2mks

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18. Name four disorders caused by mineral imbalances in cattle. 2mks

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19. Outline two physiological body functions that indicate illness in livestock. 1mk

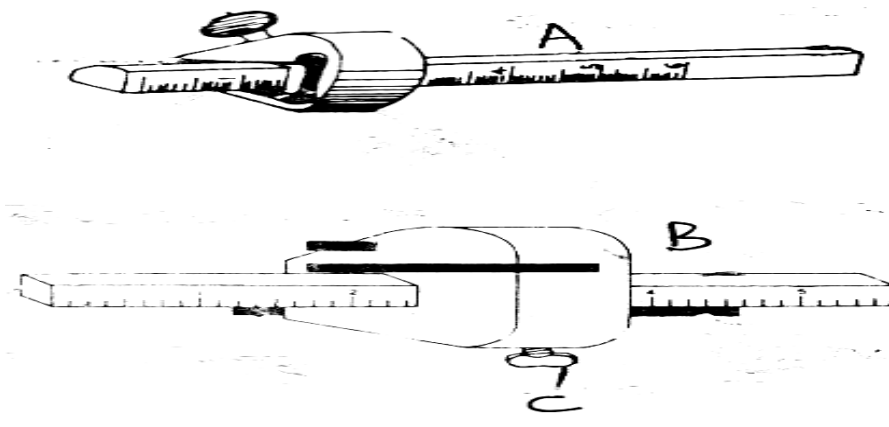
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SECTION B (20MARKS)

Answer ALL questions in this sectionSECTION B (30 MARKS)

20 (a) Study the following diagrams and answer the questions that follows.



(i) Name the workshop tools marked A and B. (2 marks)

- (a)
- (b).....

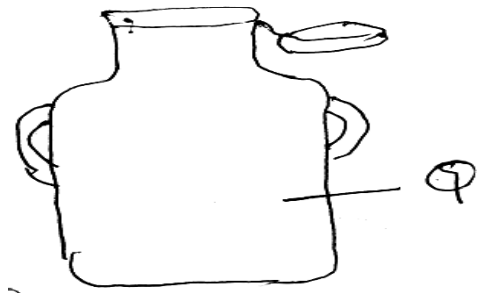
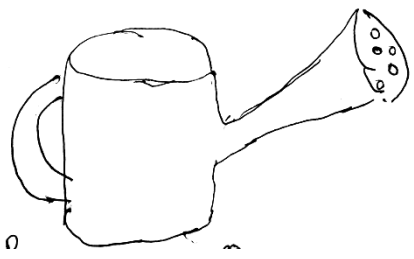
(ii) Name the part of tool B marked C. (1 mark)

- B.....
- C.....

(iii) Give one functional difference between tool A and B. (1mk)

(b) List down four maintenance of a wheel barrow. (2 marks)

(c) Name the tool marked P & Q.



P _____

Q _____

(ii) Give two advantage of using the tool marked P. (2 marks)

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22) Study the diagram of pigs shown below:



(a).....

(b).....

(a) Name the breeds of pigs marked a and b. (2 marks)

(a) _____

(b) _____

(b) Give two distinguishing features between (a) and (b) (2 marks)

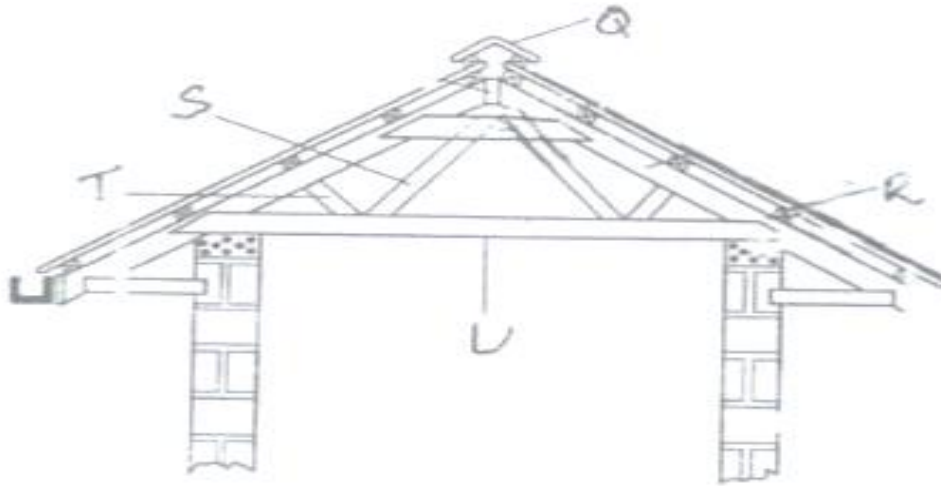
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(c) List down two routine management that should be carried on the young ones of a and b in the first one week (2 marks)

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23 (a) The following diagram represents part of the roof for construction of a farm study and answer the following questions.



(i) Name the part of roof marked Q R S T U (5 marks)

- Q -.....
- R -.....
- S -.....
- T -.....
- U -.....

(ii) (a) Name the four tools that are used in assembling the structure. (2 marks)

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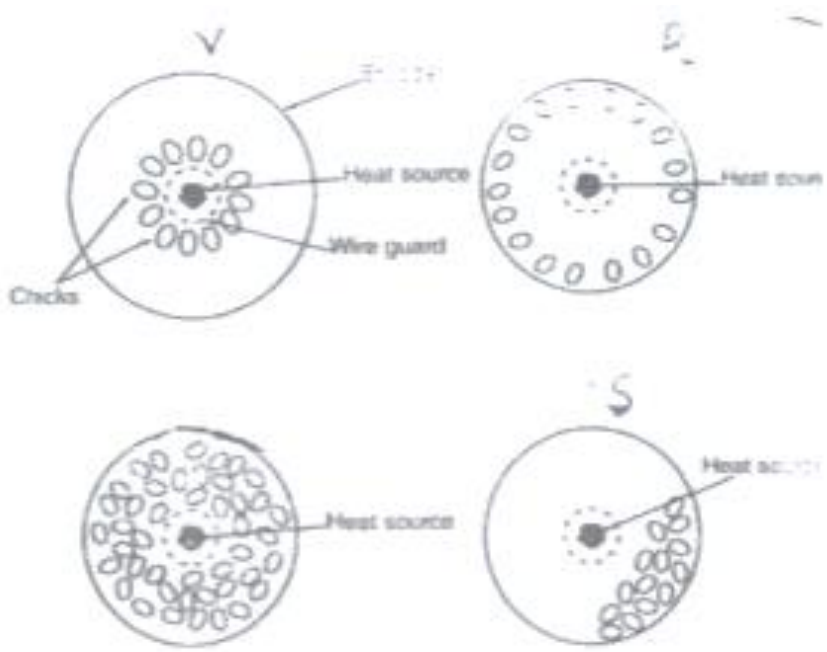
(b) State four routine management practices that are carried out in a crush. (2 marks)

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24) The following diagram represent the behavior of chicks with heat variation.



(a) (i) What does V, R & S represent? (3 marks)

- V -
- R
- S

(ii) Which is the correct temperature? (1 mark)

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(b) State two requirements in an artificial brooder. (3 marks)

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(c) (i) Name two systems of rearing poultry. (2 marks)

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(ii) State two factors that encourage egg eating in layers.

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SECTION C (40MARKS)

Answer ANY TWO questions in this section

- 25.a).Name two methods of incubation (2mks)
- b) Explain the condition necessary in an artificial incubation (8mks)
- c) Describe the management of layers from the point of lay (10mks)

- 26a) Outline the procedure for castrating a piglet surgically (5mks)
- b) Explain foot rot under the following subheadings
- (i) Predisposing factors (5mks)
 - (ii) Symptoms (5mks)

 - (iii)Control (5mks)

- 27a) Give five functions of proteins in a cow (5mks)
- b) Name five factors affecting digestibility of roughage in livestock (5mks)
- c) Outline five advantages of a live fence (5mks)
- d) Give four non-chemical methods of controlling ticks (5mks)
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