

NAME CLASSA DM NO.....

443/2

AGRICULTURE

PAPER 2

TIME : 2 HOURS

SCHOOL BASED FORM 4 EXAMINATION

JULY /AUGUST 2017

INSTRUCTION TO CANDIDATES

1. Write your name and adm. No. in the spaces provided above
2. This paper consists of three sections A, B and C
3. Answer all the questions in section A and B and two questions in section C in the spaces provided

For Examiners use only

SECTION	Questions	Maximum Score	Candidate's Score
A	1-15	30	
B	16-19	20	
C		20	
		20	
	Total Score	90	

SECTION A (30 MARKS)

Answer ALL questions in this section in the space provided

1. Name a goat breed kept for hair production (1/2mks)

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2. State **four** predisposing factors to livestock diseases (2mks)

- (i)
- (ii)
- (iii)
- (iv)

3. Outline **four** factors that determine the amount of water required by an animal (2mks)

- (i)
- (ii)
- (iii)
- (iv)

4. State the role of each of the following parts of the male's reproductive system

- (a) Testes (1mk)
- (b) Epididym's (1mk)
- (c) Penis..... (1mk)

5. Differentiate between crutching and ringing in sheep management (2mks)

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6. Define the term dry cow therapy in cattle production (2mks)

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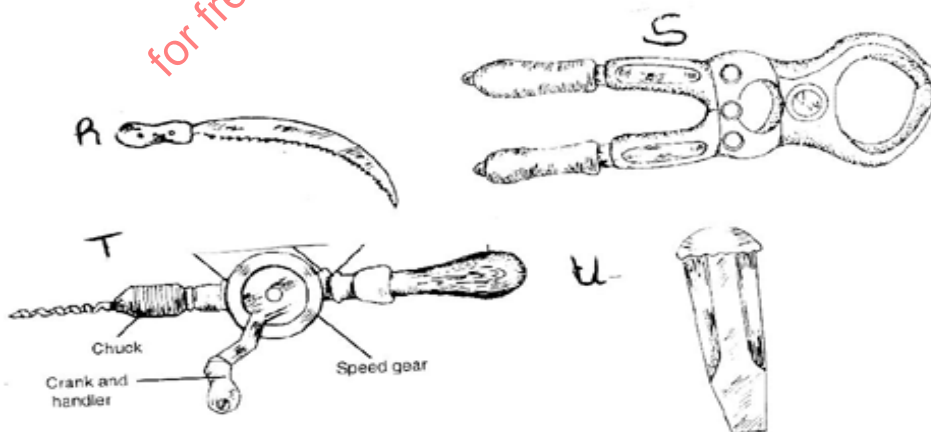
7. Outline **four** features of a good egg for incubation (2mks)
 (i)
 (ii)
 (iii)
 (iv)
8. Mention **four** causes of egg eating in a flock of layers (2mks)
 (i)
 (ii)
 (iii)
 (iv)
9. Highlight **four** factors to consider when choosing construction material (2mks)
 (i)
 (ii)
 (iii)
 (iv)
10. Name **four** major groups of livestock diseases according to causes (2mks)
 (i)
 (ii)
 (iii)
 (iv)
- (b) State **three** symptoms of Anthrax disease in cattle (1 ½ mks)
 (i)
 (ii)
 (iii)
11. State the distinguishing colour of the following livestock breeds
 (i) Duroc jersey pig (½ mk)
 (ii) Saanen goat breed (½ mk)
 (iii) Dorper sheep breed (½ mk)
 (iv) Light Sussex poultry breed (½ mk).
12. Outline **two** criteria for classifying tractor engines (1mk)
 (i)
 (ii)

13. Mention **four** advantages of embryo transplant in cattle breeding (2mks)
- (i)
- (ii)
- (iii)
- (iv)
14. State **four** effects of internal parasites on livestock (2mks)
- (i)
- (ii)
- (iii)
- (iv)
15. Name a tool equipment to perform each of the following farm operation
- (a) Driving and removing nails from wood (½ mk)
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- (b) Cutting thin sheet of metal (½ mk)
- (c) Checking right angles during construction of a wall(½ mk)
- (d) Smoothing curved surfaces in wood.....(½ mk)

SECTION B (20mks)

Answer all the questions in this section

16. Study the diagrams below then answer the questions that follow



- (a) Identify each of the farm tool/equipment illustrated above
- R (½ mk)
 S (½ mk)
 T (½ mk)
 U (½ mk)
- (b) State the use of tool equipment labeled R and U
- R(1 mk)
 U (1 mk)
- (c) Give **two** maintenance practices of tool labeled S (2mks)
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17. Using Pearson's square method, compute a 300 kg calf rearing ration containing 18% DCP using maize meal (8% DCP) and soya bean meal (35 % DCP (show your working) (5 mks)

18. Study the illustration below then answer the questions that follow (1mk)

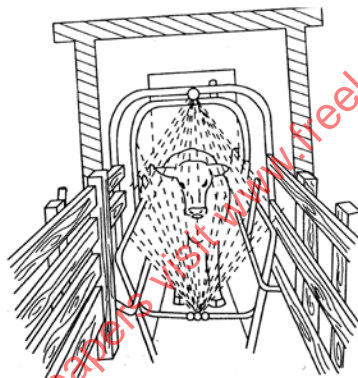


(a) Identify the method of identification illustrated by the diagram above (1mk)
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(b) State the identification number of the above animal (1mk)
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(c) Using the above diagram, draw animals to represent the following identification numbers
(i) 65 (1mk)
(ii) 24 (1mk)

19. The illustration below represents a farm structure used in the control of external parasites in livestock



(a) Identify the structure (1mk)

b) State **two** advantages of using the above farm structure (2mk)
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c) Other than the structure shown above , name two other farm structures that can be used for carrying out similar operation as the one shown above (2mk)
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SECTION C (40 MARKS)

Answer Two questions in this section in the spaces provided after question 22

- 20. (a) Explain the advantage of artificial insemination as a method of service in livestock (7mks)
- (b) Give **five** importance of keeping livestock healthy (5mks)
- (c) Describe the short term tractor service (8mks)

- 21. (a) Discuss the factors that affect milk composition (10mks)
- (b) State **five** control measures of tapeworms (5mks)
- (c) Describe the characteristics of indigenous cattle breeds . (5mks)

- 22. (a) Mention **four** precaution when handling farm tools and equipment (1mk)
- (b) Describe the uses of fences in the farm (8mks)
- (c) Name two hormones that influence milk let down (2mks)

- (c) Describe the control , measure of mastitis in cattle production (6mks)

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