

Name.....Index Number .....

Candidates signature. ....Date.....

443/2  
AGRICULTURE  
FORM 4  
PAPER 2  
TIME: 2 HOURS.

Instructions to Candidates

1. This paper consists of three sections A, B and C.
2. Answer all the questions in sections A and B and two questions in section C.
3. Check to ascertain that all the pages are printed as indicated and that no questions are missing.

For EXAMINERS use only

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1 - 18	30	
B	19 - 22	20	
C		20	
		20	
	TOTAL SCORE	90	

SECTION A: (30 MARKS)

Answer all questions in this section in the spaces provided.

1. State the major physical difference between a Landrace and a Large White Pig. (2 marks)

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2. Outline four maintenance practices of a hack saw. (2 marks)

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3. Name two methods used in disbudding. (1 mark)

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4. Define line breeding. (1 mark)

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5. Name four methods used in preserving fish. (2 marks)

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6. Name four sources of carbohydrates in livestock nutrition. (2 marks)

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7. Outline four routes through which disease Causing organisms get into the body of an animal. (2 marks)

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8. Outline three precautions a farmer should take to avoid infection by brucellosis.(3 marks)

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9. Highlight three reasons for keeping feeding records. (3 marks)

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10. Highlight four factors that affect maintenance requirements of an animal. (2 marks)

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11. Name two developmental stages of a liver fluke. (1 mark)

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12. State four activities carried out before milking in dairy production. (2marks)

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13. State four reasons for feeding the bees

(2marks)

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14. State four advantages of farm mechanization.

(2 marks)

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15. Give four reasons as to why vitamins are important in livestock nutrition (2marks)

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16. Give two causes of infertility in cattle

(1mark)

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17. State two predisposing factors of foot rot disease in sheep.

(1 mark)

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**SECTION B: (20 MARKS)**

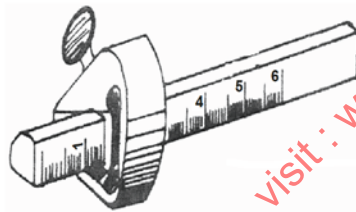
**Answer all the questions in this section in the space provided.**

19. The diagrams below illustrate farm tools and equipment. Study them and answer the questions that follow.

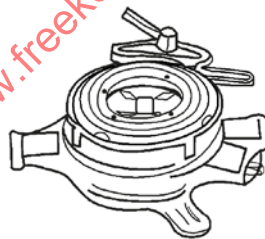
N<sub>1</sub>



N<sub>2</sub>



N<sub>3</sub>



N<sub>4</sub>



a). Identify the tools and equipment labeled above.

(2 marks)

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b). State one function of each tool or equipment labelled N<sub>1</sub> and N<sub>3</sub>. (2 marks)

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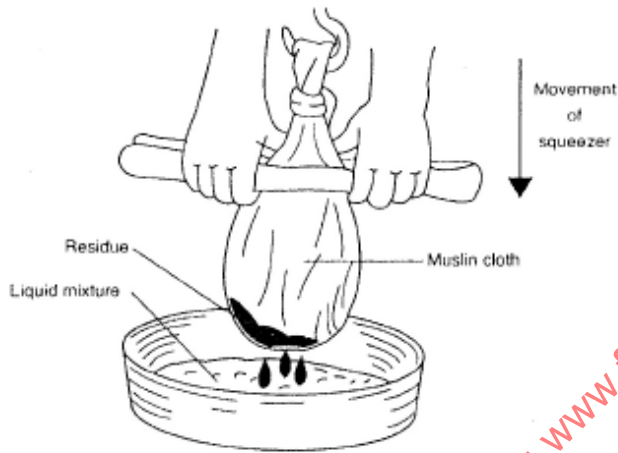
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19. Study the diagram below and answer the questions that follow



(a) Identify the method illustrated above ..... (1mark)

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(b) Name two alternative methods of obtaining the product other than the one illustrated above. (2marks)

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(c) State three factors that determine the quality of the product given in the above illustration . (3marks)

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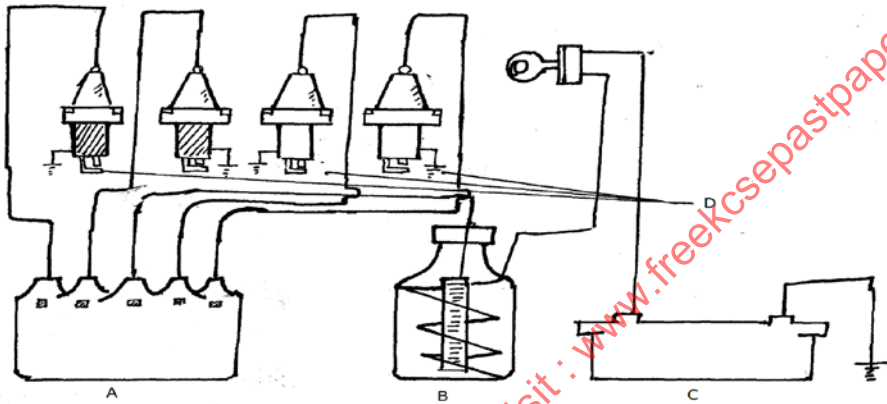
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20. Study the diagram below of the ignition system of a petrol engine and answer the questions that follow



a) Identify the parts labeled A, B, C and D (2marks)

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b) Give the functions of parts A and B (2marks)

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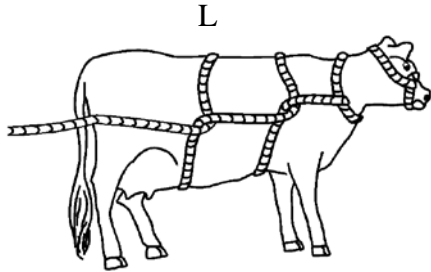
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21. The diagrams below show two methods of handling livestock in the farm. Use them to answer the questions that follow.



a) Identify the methods of handling labeled L and M. (2marks)

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b) Give two occasions when it may be necessary to carry out the practice labeled L above. (2marks)

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c) Give two animal conditions under which the method L above cannot be used.(2 marks)

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**SECTION C (40 MARKS)**

**Answer ANY TWO questions in this section in the spaces provided after question 27**

22. (a) Describe five factors that are considered during the selection of a breeding stock. (5 marks)
- (b) Describe the mechanical control measures of ticks. (5marks)
- (c) Describe the management of deep litter poultry house. (10 marks)
- 23.(a) Explain the types of stores that can be found on a farm (6 marks)
- (b) Explain three routine livestock feeding practices carried out when rearing livestock. (6 marks)
- (c) What factors should a farmer consider when selecting materials for constructing a dairy cattle shed. (8 marks)
- 24.(a) Outline five advantage of artificial insemination (5marks)
- (b) Describe factors that affect digestibility of feed in livestock (5marks)
- (c) Describe the differences between Petrol and diesel engines (10marks)

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