

Name: Adm No

School: Student's Sign

Date:

443/2
AGRICULTURE
PAPER 2
TIME: 2 HOURS
TERM 3 2017

Form Three

Agriculture
Paper 2
2 hours

INSTRUCTIONS TO STUDENTS:

- Write your name, admission number and school in the spaces provided.
- Sign and write the date of the examination in the spaces provided.
- This paper consists of **three** sections; **A, B** and **C**.
- Answer **all** questions in section **A** and **B**.
- Answer any **two** questions in section **C**.
- All answers **must** be written in the spaces provided.

For Examiner's Use Only;

SECTION	MAXIMUM SCORE	CANDIDATE SCORE
A	30	
B	20	
C	40	
TOTAL	90	

SECTION A (30MKS)

1. State four harmful effects of ticks on livestock (2mks)
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2. a. Define the following terms as used in livestock breeding (1mk)
i. hybrid vigor
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ii. mothering ability (1mk)
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b. State four advantages of artificial insemination (AI) in a livestock breeding (2mks)
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3. Give the use of a spoke shave on the farm (1mk)
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4. Why is it necessary to vaccinate livestock (1mk)
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5. State three factors that influence the amount of water taken by a farm animal (1 ½ mks)
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6. Outline four factors affect the digestibility of a feed. (2mks)
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7. List four safety precautions which should be considered when using farm tools (2mks)

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8. State four effects of protein deficiency in animals

(2mks)

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9. Give four advantages of embryo transfers in livestock production (2mks)

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10. Differentiate between steaming up and flushing as used livestock rearing (2mks)

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11. Outline signs of heat in sows (2mks)

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12. State two qualities of crop feed that make it suitable for piglets (1mk)

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13. State two preventive measures for bloat in ruminant production (1mks)

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14. Name one intermediate host in life cycle of a liver fluke (1mk)

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15. Give four advantages of ranching (2mks)

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16. State three maintenance practices carried out on a crosscut saw (1 ½ mks)

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17. Outline four factors that would influence the use of a jembe instead of a disc plough in seedbed preparation.
(2mks)

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SECTION B (20MKS)

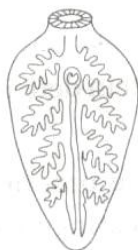
18.a) Identify the tools shown below (1 ½ mks)



b).State one advantage of tool C over A and B (2mks)

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c) Outline two maintenance practices carried out on the above tools (1mk)

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19. The diagram below shows a livestock parasite



a) Identify the parasite (1mk)

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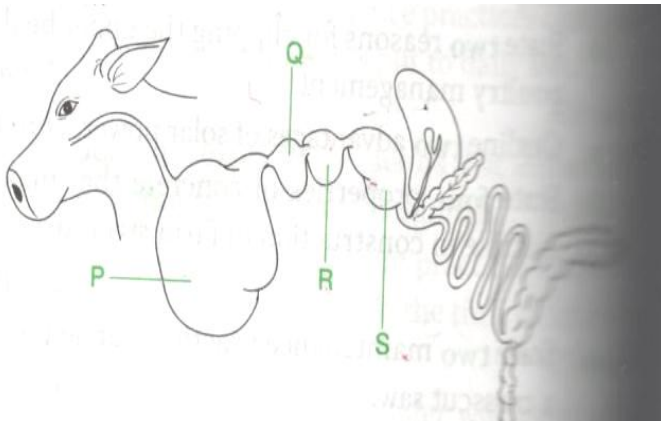
b) Name two species of livestock commonly attacked by the parasite (1mk)

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c) In which organ in livestock is the parasite found? (1mk)

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20. Study the diagram of the digestive system of a farm animal shown below and answer the questions that follow.



a) Name the parts labelled P, Q, R and S (1mk)

P.....

Q:.....

R.....

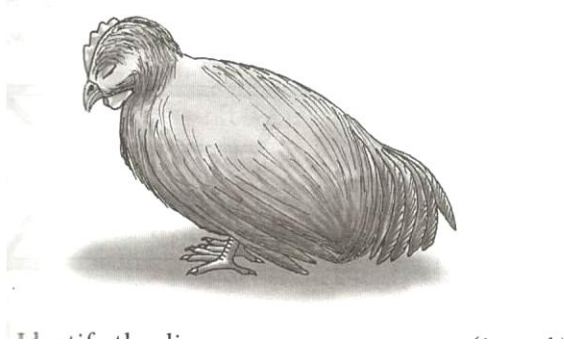
S.....

b) State the function of the part labelled R (1mk)

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c) Using the Pearson's square method ,compute a 200kg ration with 20% DCP from oats which contains 10% DCP and simsim seed cake containing 60% DCP (4mks)

21. The diagram below shows a chicken suffering from a certain disease.



a) Identify the disease (1mk)

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b) Outline three symptoms of the disease you have identified in (a) above (1 ½ mks)

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c) State three control measures of the above disease (1 ½ mks)

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SECTION C answer any two questions (40MKS)

22. Describe the measures used to control livestock disease (20mks)

23.a) Explain five differences between the digestive systems of a ruminant and non – ruminant when selecting livestock for breeding (10mks)

b) Describe factors considered when selecting livestock for breeding (10mks)

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