

NAME..... CLASS.....

DATE.....

443/2

AGRICULTURE MINI-MOCK 2014

PAPER 2

TIME: 2HOURS

INSTRUCTIONS TO CANDIDATES

- Write your name and index number in the spaces provided above
- The paper consists of **three** sections A , B and C
- Answer all questions in section A and B in the spaces provided
- Answer **any two** questions from section C on foolscaps provided

FOR EXAMINER'S USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1- 17	30	
B	18 -21	20	
C	22 23 24	40	
	TOTAL	90	

SECTION A (30 MARKS)

Answer all questions in the spaces provided

1. State two main parturition signs of rabbits

(1 mark)

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2a) List three effects of ticks on cattle

(1 ½ marks)

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b) State three methods of tick control

(1 ½ marks)

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3. State three symptoms of foot rot in sheep

(1 ½ marks)

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4. What four factors determine nutrient requirements of a dairy cattle

(2 marks)

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5. Name three features of ideal calf pen

(1 ½ marks)

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6.State two advantages of solar power.

(2marks)

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7. Identify two non- chemical methods of making fencing posts last longer

(2marks)

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8. Give three reasons stating why indigenous cattle are suited to the semi arid areas.

(1 ½ marks)

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9. Give two uses tine harrows.

(2marks)

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10 a) State two differences between a tenon saw and a cross cut saw

(2mark)

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b) Give two safety precautions when using a cross cut saw.

(1mark)

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11. Name breed of goat kept for its hair.

(½ mark)

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12. Define the following as used in livestock production.

(2marks)

a) Heterosis

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b) Epistasis

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13. Differentiate between the flash feed and forced feed types of lubrication. (1mark)

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14. State **two** roles of reticulum in a sheep. (2marks)

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15. Name **three** light breeds of poultry. (1 ½ marks)

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16. Briefly explain how the following are used in the control of livestock diseases. (2marks)

a) Quarantine

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b) Prophylactic measure.

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17. State **two** harmful effects of keds (*Melophagus orinus*) in sheep. (2marks)

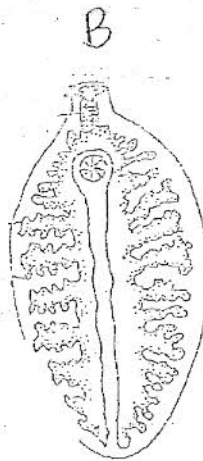
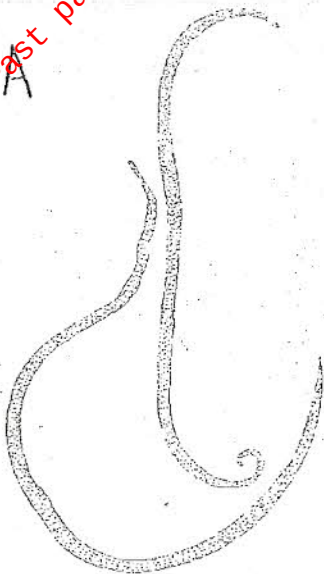
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SECTION B (20 marks)

Answer all questions from this section in the spaces provided.

18a) Identify diagrams shown below

(1 ½ marks)



b) Name the organ in the livestock infested by each parasite.

(1 ½ marks)

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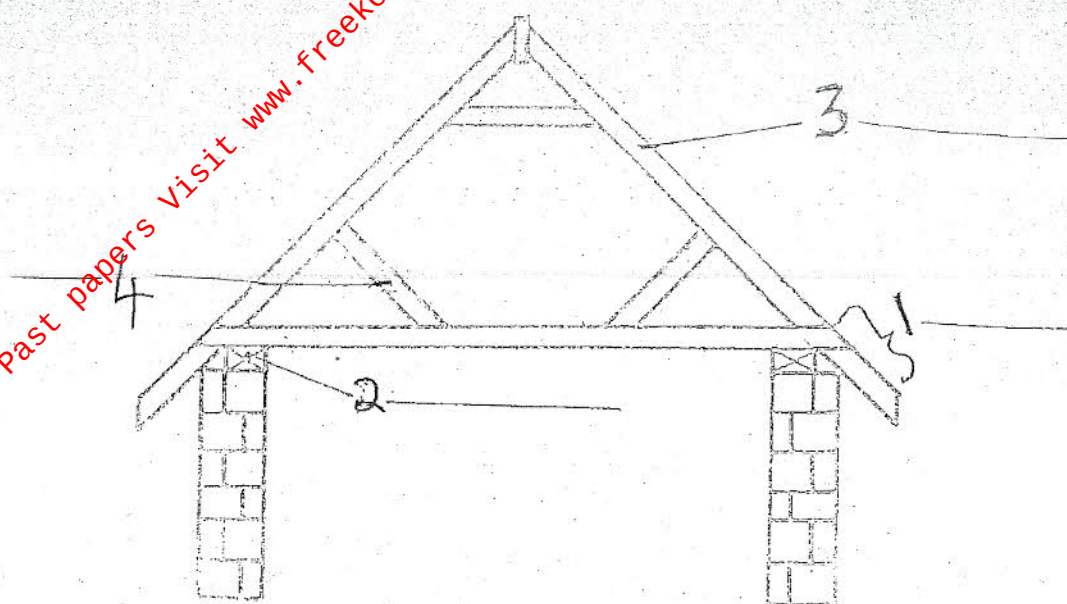
c) State two effects of endo parasites to livestock

(2 marks)

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19 The illustration below represents a farm structure. Study it and answer the questions that follow.



a) Name parts labelled 1, 2, 3, and 4 on the diagram (2marks)

b) State the functions of parts labelled 2, 3 and 4 (3marks)

2.....

3.....

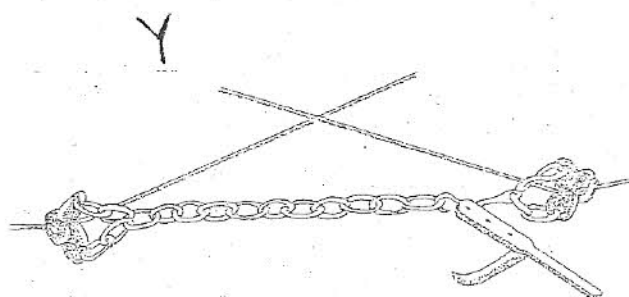
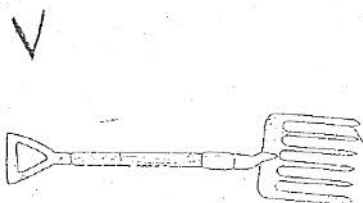
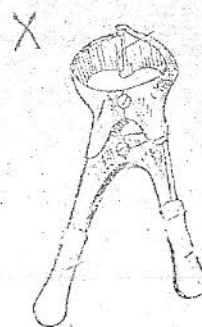
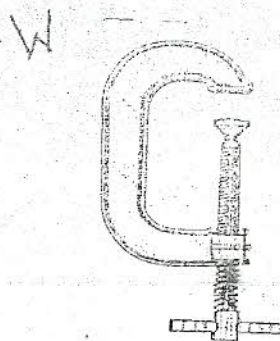
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c) Name **two** chemical preservatives used to treat wooden parts of the structure against

fungal attack (1marks)

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20. Study the tools and equipments below, then answer the questions that follow.



a) Identify tools U , V and W .

(1 ½ marks)

b) State the use of the following

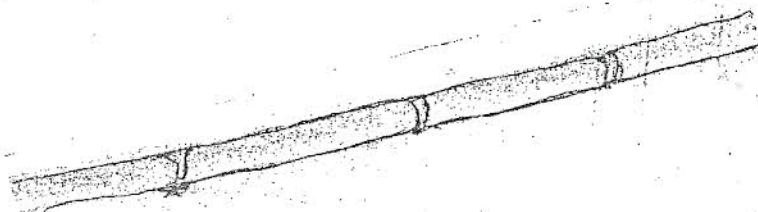
(3marks)

X.....

Y.....

Z.....

21. The diagram below represents a feedstuff given to sheep.



a) Name one nutrient found in large quantities in the feed stuff above. (½ mark)

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b) Give the class of the feedstuff in animal nutrition.

($\frac{1}{2}$ mark)

c) State the reason why ruminants are able to digest the feedstuff. (1 mark)

d) What two factors would determine the quality of feedstuff while growing in the field. (2 marks)

SECTION C (40 MARKS)

Answer any two questions from this section in the footscaps provided

22. Describe the management of layers in a fold unit (20 marks)
- 23(a) Describe the operational mechanism of a four stroke cycle engine (15 marks)
- b) Name five parts of an ox-drawn plough and state the functions of the named parts. (5 marks)
- 24(a) Describe the components of a zero grazing unit stating the importance of each (10 marks)
- b) Discuss the methods of extracting honey (10 marks)