

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

DATE.....

443/1

MINI MOCK

AGRICULTURE PAPER ONE – 2014

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- Write your name and class 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 two questions from section C on the foolscaps provided

FOR EXAMINER'S USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A			
	1 - 20	40	
B			
	21 - 24	40	
C			
	25	20	
	TOTAL	100	

SECTION A (30MARKS)

1. Name **four** branches of agriculture

(2marks)

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2. Give **three** reasons for seed selection.

(1 ½ marks)

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3a) Why is training essential in crop plants.

(1mark)

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b) Name **two** crops that require training.

(1mark)

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4. State **three** methods of land reclamation.

(1 ½ marks)

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5. State **four** factors that determine the depth of planting.

(2marks)

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6. List **three** factors that influence the efficiency of pesticides.

(1 ½ marks)

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7. What **three** environmental conditions may cause low crop yield?

(3marks)

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8a) What is land reform?

(1 mark)

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b) List three land reform practices

(1 ½ marks)

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9. The maize variety 512 is grown on medium altitude areas. What do the numbers 5, 1 and 2 represent? (1 mark)

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10. Give two characteristics of a good rootstock for grafting.

(2 marks)

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11. List four reasons why timely weed control is advisable in crop production.

(2 marks)

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12. State how you may prevent the following conditions during carrot production. (3 marks)

a) Cracking ----

b) Forking ----

c) Greening ----

13. Give three effects of soil mineral matter to crops.

(1 ½ marks)

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14. State **three** advantages of rotational grazing.

(1 ½ marks)

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15. What **two** factors should one consider when siting a compost pit?

(1mark)

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16. List **four** methods of preventing water pollution.

(2marks)

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17a) List **two** advantages of Land -Lordism and tenancy.

(1mark)

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b) Name and give **two** distinguishing features of napier grass variety

(2marks)

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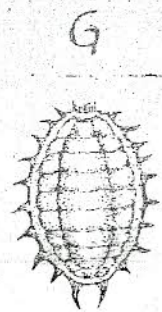
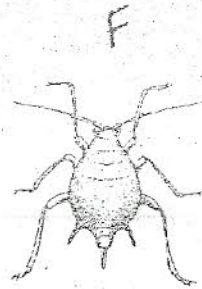
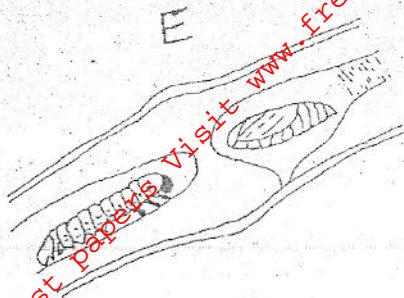
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SECTION B (20marks)

Answer all the questions from this section on the provided space

18a) Identify the pests in the diagrams below.

(1 ½ marks)



b) Explain the damage caused by pest F.

(1mark)

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c) State **three** ways of controlling pest E.

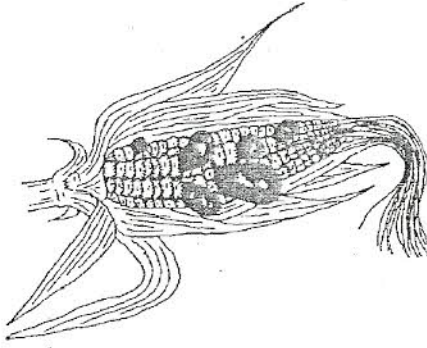
(1 ½ marks)

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d)The diagram below shows a condition on a part of a plant.



i)Identify the condition

(1mark)

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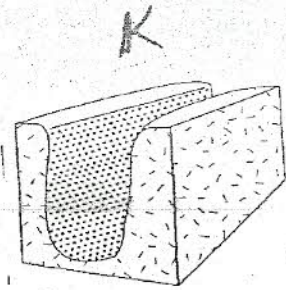
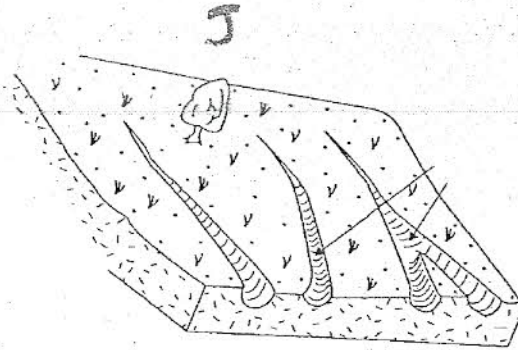
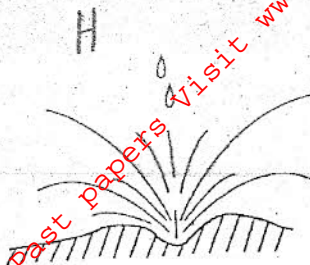
ii)Name any other part of a plant that can be affected by the condition.

(1mark)

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19a) Identify the types of soil erosion below.

(1 ½ marks)



b) What **three** factors may influence the type of erosion represented by diagram H?

(1½marks)

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c) Outline the events that occur for type k to be formed.

(2marks)

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d) What is solifluction?

(1mark)

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20. The diagrams below show different types of weeds.



a) List **two** economic importance of the weeds.

(1marks)

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b) Why is it difficult to control weed K?

(1marks)

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c) Explain **two** methods of classifying herbicides as per their mode of action. (2marks)

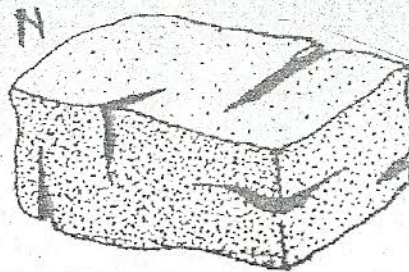
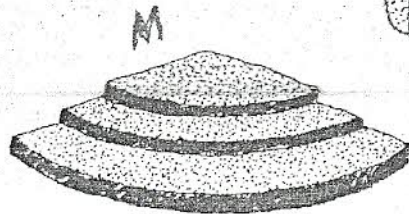
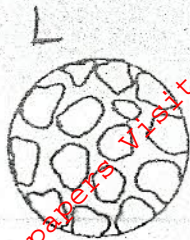
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21. Study the diagrams below and then answer the questions that follow.



a) Name each of the diagrams L , M and N (1 ½ marks)

b) State one way of making structure L suitable for farming (1mark)

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c) State two influence of the soil structure to crop production. (2marks)

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SECTION C (40MARKS)

Answer only two questions from this section on foollscaps provided.

22a) Explain the factors to consider when selecting a farm enterprise. (10marks)

b) Explain the effects of land fragmentation. (10marks)

23a) Describe the method of harvesting pyrethrum and precautions that must be adhered to.

(10marks)

b) Describe the procedure of aerial layering. (5marks)

c) Outline the advantages of drip irrigation. (5marks)

24a) Discuss the basic concepts of agriculture economics (10marks)

c) Describe the nursery establishmen