

Name: Index No:

Candidate's signature.....

Date.....

Muungano KCSE Trial Exam

443/1
AGRICULTURE
PAPER 1
July 2017
2 Hours

INSTRUCTIONS TO CANDIDATES

Write your name and index in the spaces provided.

This paper consists of **THREE** sections **A, B** and **C**.

Answer all the questions in sections **A** and **B** and **ANY TWO** questions in sections **C**.

Answers should be written in the spaces provided.

For Examiner's Use Only

| Section | Question | Maximum Score | Candidates Score |
|--------------------|----------|---------------|------------------|
| A | 1 – 16 | 30 | |
| B | 17 - 19 | 20 | |
| C | 20 - 22 | 20 | |
| | | 20 | |
| Total Score | | 90 | |

This paper consists of 8 printed Pages

Candidates should check the question paper, to ensure that all the pages are printed as indicated;

and no questions are missing

SECTION A (30 Marks)

Answer ALL questions from this section.

1. **Distinguish** between pastoralist and nomadic as used in livestock production. (1mk)

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2. **List any Four** advantages of mixed farming (2mks)

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3. **Give two reasons** why agriculture is important to the economy of Kenya. (1mk)

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4. **List four climatic factors** that influence crop production. (2mks)

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5. **Name two types** of credit given to farmers in Kenya. (2mks)

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6. **Give two reasons** why staking as a field management practice should be carried out in some vegetable crops. (2mks)

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7. **Give two importance** of keeping health records. (2mks)

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8. **Name two aspects** of light that affect crop production. (1mk)

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9. *Give the importance* of a land title deed. (3mks)

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10. *Name four structures* that can be used to store water in a farm (2mks)

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11. *State two functions* of terraces in soil and water conservation (2mks)

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12. *Name the classes* of weeds according to plant morphology. (2mks)

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13. a) *What do you understand* by the term integrated pest management (IPM)? (1mk)

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b) *List two factors* that affect efficiency of pesticides in crop production. (1mk)

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14. *List four factors* that influence solifluction. (2mks)

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15. *List four important* details contained in an invoice. (2mks)

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16. **Give four factors** which should be considered before deciding on irrigation in crop production. (2mks)

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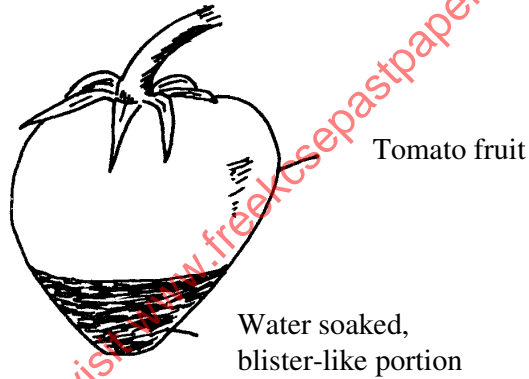
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SECTION B: (20 Marks)

Answer ALL the questions in this section in the spaces provided

17. The diagram below shows a physiological disease in tomatoes. Use it to answer the questions that follow:-



a) **Identify** the disease illustrated above. (1mk)

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b) **Give three causes** of the condition shown above. (3mks)

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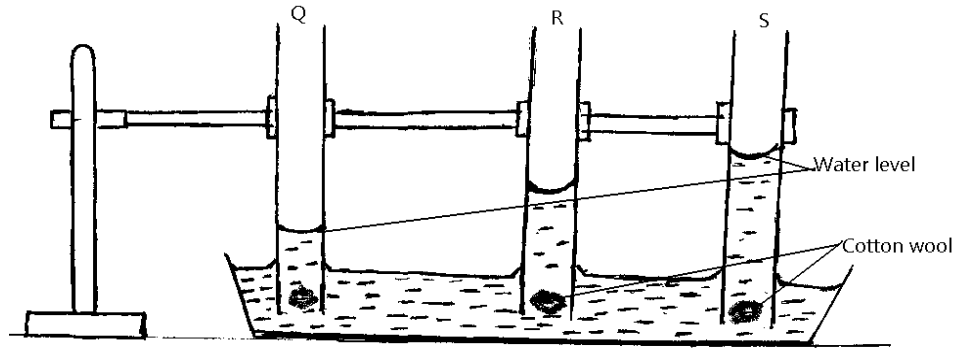
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c) **Suggest two control** measures of the disease. (2mks)

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18. The diagram below shows an experiment set up using soil type **Q**, **R**, **S**, and observations made after 24 hours. **Study** the diagram below and answer the questions that follow.



(a) The experiment set up above is designed to *study what*? (1mk)

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(b) *Name the three* soil types **Q**, **R**, **S**. (3mks)

Q

.....

R

.....

S

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(c) *What* are the characteristic texture of soil type **R** and **S**?

R

(1mk)

.....

S

(1mk)

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19. a) *Explain four ways* how land reform has contributed to the improvement of crop production in Kenya. (4mks)

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(b) **Discuss four contributions** the settlement schemes have made to Kenya’s agriculture. (4mks)

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SECTION C: (40 MARKS):

Answer ANY two questions in this section in the spaces provided:

- 20. (a) **Discuss the harvesting** of cotton under the following sub headings.
 - (i) Stage of harvesting . (3mks)
 - (ii) Method and procedure of harvesting. (4mks)
 - (iii) Precautions in harvesting. (3mks)
- (b) **Explain how** various field practices help to control crop diseases. (10mks)

- 21. **Describe** the production of beans under the following sub headings.
 - (a) Ecological requirements (4mks)
 - (b) Seedbed preparation (5mks)
 - (c) Planting (5mks)
 - (d) Pest and pest control (6mks)

- 22. (a) **Explain five advantages** of mulching in crop production (5mks)
- (b) **Outline five activities** that may be undertaken in organic farming (5mks)
- (c) **Discuss ten benefits** a farmer is likely to get using vegetative propagation in production of oranges (10mks)

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