

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	
<b>Total Score</b>		<b>90</b>	

*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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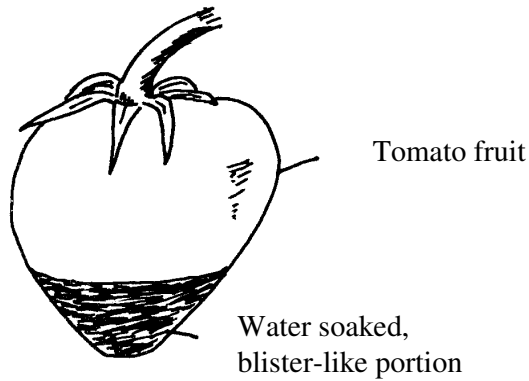
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**SECTION B: (20 Marks)**

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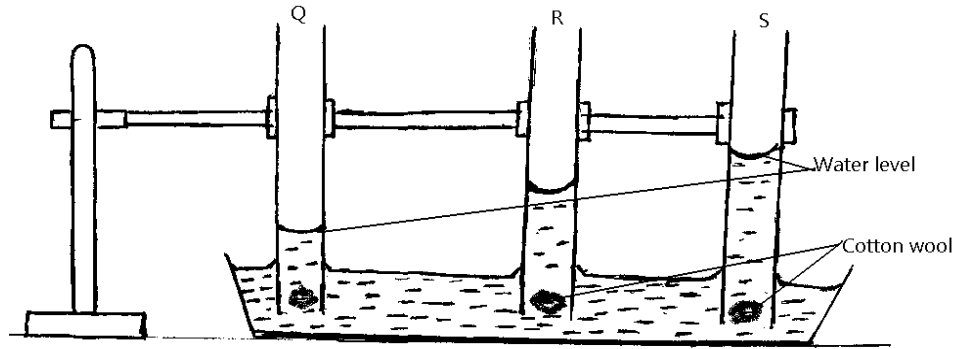
c) **Suggest two control** measures of the disease. (2mks)

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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**

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**R**

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**S**

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

**R** (1mk)

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**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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