



MOI HIGH SCHOOL KABARAK

TRAIL 1 2024

Kenya Certificate of Secondary Education

443/1 – AGRICULTURE – Paper 1
2024 - 2 hours

Name.....Adm No.....

Class..... Date.....

Instructions

This page consists of **three sections A, B and C.**

Answer **ALL** the questions in **sections A and B** and **only two** questions from **section C.**

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1-15	30	
B	16-17	20	
C	18-20	40	

SECTION A (30MKS)

Answer all the questions in this section in the spaces provided.

1. Give **four** advantages of large scale farming. (2mks)

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2a) Define nomadic pastoralism (1mk)

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b) State **two** advantages of nomadic pastoralism. (1mk)

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3. State **four** factors which determine soil depth. (2mks)

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4. Give **four** natural factors that would encourage the gully erosion on a farm. (2mks)

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5. State **four** ways in which trees help in soil conservation. (2mks)

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6. State **four** disadvantages of communal land tenure system. (2mks)

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7. State **four** factors that should be considered when selecting a forage crop species to be established in a given area. (2mks)

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8. What do you understand by the following terms. (3mks)

Seed dressing

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Seed inoculation

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Chitting

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9. Give **two** advantages of compound fertilizers (1mk)

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10. State **two** effects of varying spacing in maize production. (2mks)

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11. State **four** symptoms of viral diseases in crop production. (2mk)

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12. List **four** branches of livestock farming. (2mks)

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13. Name **four** varieties of dry beans (2mks)

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14. Give **four** precautions taken to prevent pest attack in stored produce. (2mks)

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15. What is organic farming? (1mk)

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SECTION B (20MKS)

16. Study the diagrams below carefully and answer the questions that follow.



a) Identify the pests labelled **A** and **B** (2mks)

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b) State **two** affects the pest labelled A causes on a maize plant. (2mks)

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c) List **three** effects of pest **B** in stores. (3mks)

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d) State **three** methods of controlling striga weed. (3mks)

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17. The diagram below shows a field management practice carried out on a fruit crop. Study it carefully and answer the question that follow.



a) Identify the practice (1mk)

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b) Give **two** reasons for carrying out the above practice. (2mks)

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c) State **three** reasons for storing beans after harvesting. (3mks)

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d) State **three** advantage of processing farm produce. (3mks)

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e) Define the term drainage. (1mk)

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SECTION C (40MKS)

Answer any **two** questions from this section in the spaces provided.

18a) Describe **eight** farming activities that would encourage soil erosion (8mks)

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b) Describe the harvesting of cotton. (8mks)

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c) Describe seedbed preparation for carrot production. (4mks)

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19a) Describe **ten** factors that would determine the nutrient content of hay. (10mks)

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b)Describe **ten** advantages of using organic matter for mulching.

(10mks)

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20a)Explain **six** morphological features of weeds that influence selectivity of herbicides.(6mks)

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b)Give **five** disadvantages of zero grazing system.

(5mks)

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c) Describe nine factors considered in the selection of planting materials. (9mks)

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