**Name:** …………………………………………………………… **Adm No**: ……………………………… **Class:** …………………………………………………………. **Candidate’s Sign**: ……………………. **Date:** ………………………………………………………….

**443/1**

**AGRICULTURE PAPER 1**

**TIME: 2 HOURS**



P0ST MOCK 2022 OCTOBER FINAL *Kenya Certificate of Secondary Education (K.C.S.E.)* FORM FOUR

**INSTRUCTIONS TO CANDIDATES:**

• *Write* ***your name*** *and* ***Index number*** *and* ***sign*** *in the spaces provided above.*

• *Answer* ***ALL*** *the questions in section* ***A*** *and* ***B*** *in the spaces provided in this booklet.*

• *Answer* ***any two*** *questions in section* ***C*** *in the spaces provided after the last question.*

***F or E xami n er’s Use Only:***

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| --- | --- | --- | --- |
| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| A | 1 - 18 | 30 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| B | 19 - 22 | 20 |  |
| C | 23 - 25 | 40 |  |
|  | **TOTAL** | **90** |  |

***SECTION A (30marks). Answer all Questions in this section.***

1. a) State four characteristics of extensive farming system. (2mks)

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b) List two disadvantages of small scale farming. (2mks)

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2. Name two ways in which predators affect agricultural production. (1mk)

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3. List down four factors that influence formation of soil. (2mks)

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4. State two farming practices that bring about minimum tillage. (1mk)

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5. Name the function of each of the following chemicals in water treatment.

a) Alum (1mk)

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b) Soda ash (1mk)

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6. State two importance of organic matter in the soil. (1mk)

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7. State three reasons why green manure is not commonly used in the farms. (1 ½ mks)

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8. State four uses of farm records. (2mks)

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9. List three importance of phosphorous in crop growth. (1 ½ mks)

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10. Name four significance of using seeds as planting materials. (2mks)

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11. List two importance of tissue culture in propagating crops. (1mk)

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12. State the difference between the following terms. (2mks)

a) Rogueing

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b) Gapping

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13. State four effects of applying too much nitrogenous fertilizer to crops. (2mks)

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14. Name four disadvantages of communal land tenure system. (2mkS)

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15. State four precautions farmers should observe when using agro-chemical for their safety and for environmental safety. (2mks)

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16. State three harmful effects of pests on crops. (1 ½ mks)

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17. State three qualities of a good manager in a farm setting. (1 ½ mks)

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18. State two factors that influence the demand of a commodity. (1mk)

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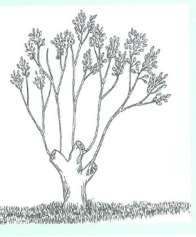
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***SECTION B (20 MARKS) Answer all questions in this section.***

19. Study the diagram below and answer the questions that follow



A B



a) Identify the three harvesting methods shown in the diagrams above. (2mks)

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b) Name four sites for agroforestry trees in the farm. (2mks)

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20. The document below was obtained from one of the books of accounts in kimko’s farm. Study the

document and answer the questions that follow.

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| **DAIRY CATTLE** | | | | | | | |
| **DR** | | | | **CR** | | | |
| **Date** | **Particulars** | **Folio** | **Amount**  **Sh cts.** | **Date**  **2003** | **Particulars** | **Folio** | **Amount**  **Sh cts.** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Feb 20th  Feb 30th | Bought 2 bags of  dairy meal | 1 | 18,000.00 | Feb 10th | Sold 2 heifers | 1 | 12,000.00 |

a) Identify the book from which the above document was obtained. (1mk)

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b) State four importance of keeping proper farm account records. (2mks)

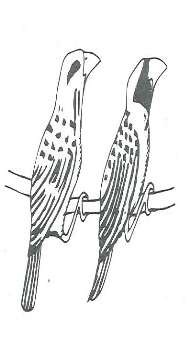
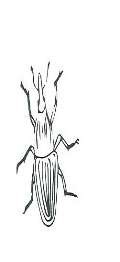
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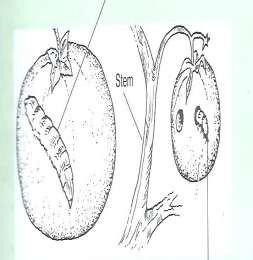
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21. The diagram below shows pests that affect crops when in the field. Study the diagrams and answer the questions that follow.



L

J K



a) Identify the pest J, K and L. (3mks)

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b) State two ways of controlling the pest labeled L above. (2mks)

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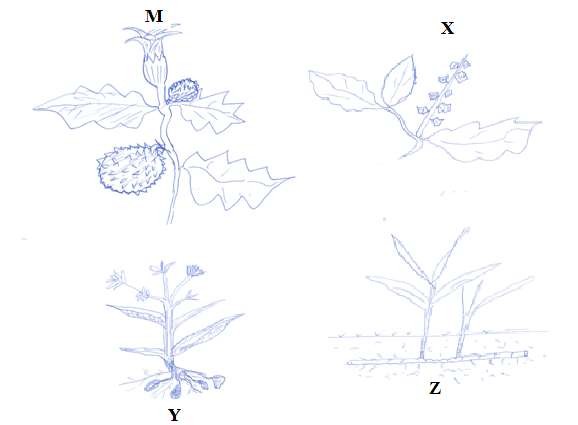
c) State one crop attacked by the pest labeled J and K above. (2mks)

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22. The Following weeds were found growing on a maize farm by a form four student. Study the weeds and answer the questions that follow.



a) Name the weeds labeled X, Y and Z above. (3mks)

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b) State one reason that makes each of the following weeds difficult to control. (2mks) (i) X

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(ii) Z

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c) State one reason why the weed labeled M should not be allowed to grow in the farm. (1mk)

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***SECTION C (40 marks)***

***Answer only two questions in this section***

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| 23. | a) Explain five cultural methods a farmer can use to control weeds. | (10mks) |
|  | b) State and explain five factors considered when establishing nursery bed site. | (10mks) |

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| --- | --- | --- |
| 24. | a) Describe five ways in which a farmer may adjust to uncertainty and risks in the farm. | (10mks) |
|  | b) Explain five physical methods used to control crop pests in a crop land. | (10mks) |

|  |  |  |
| --- | --- | --- |
| 25. | a) State five types of information contained in a tittle deed. | (5mks) |
|  | b) State five methods used to control soil and water pollution. | (5mks) |

c) State and explain five ways an entrepreneur can use to improve labour productivity in a farm.

(10mks)

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