

FORM FOUR CLUSTER KCSE MODEL8

AGRICULTURE PAPER 1 QUESTION

SECTION A (30 Marks)

1. Why is it important to prepare land before planting?

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2. State FOUR cultural practices of weed control in beans.

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3. Why is manure application not recommended in carrot production?

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4. State SIX types of agricultural services available to the farmer.

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5. State the FOUR factors that determine the depth of planting.

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6. Differentiate between budding and grafting.

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7. Name TWO diseases of cabbage.

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8. State FOUR problems in marketing of agricultural produce.

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9. State FOUR ways in which soil loses fertility.

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10. State the advantages of using seeds as planting materials.

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11. State FOUR aspects of rainfall important to a farmer.

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12. What do you understand by the following terms?

- (i) Over sowing

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- (ii) Under sowing.

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13. State the factors that contribute to the competitive ability of weeds.

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14. State TWO factors that determine seed rate in crop production.

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15. Give reasons why the following operations are carried out in crop production.

(i) Levelling (1 mk)

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(ii) Rolling. (1 mk)

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16. State FOUR factors that influence soil erosion.

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SECTION B (20 Marks)

17. (a) Draw up a FOUR year crop rotational programme involving the following crops: (4mks)

(i) Maize.

(ii) Irish potatoes.

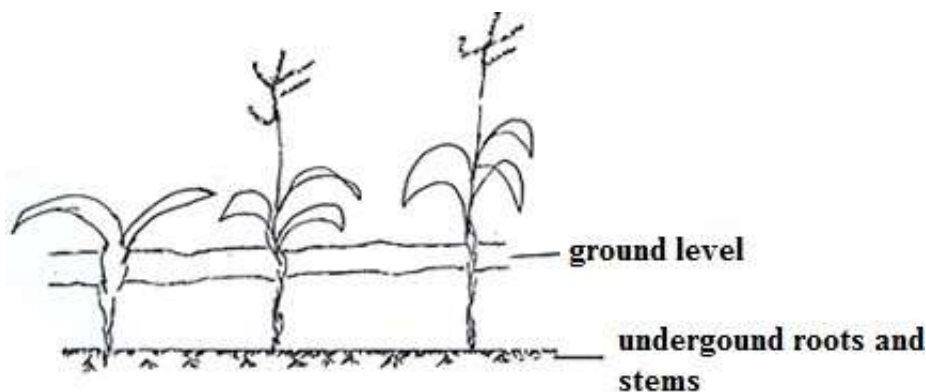
(iii) Beans.

(iv) Sweet potatoes.

(b) Why is it not recommended to replace potatoes with tomatoes in a rotational programme?
(1 mk)

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18. The following is an illustration of a common weed of arable land.



(i) Identify the weed (1mk)

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(ii) Why is it difficult to control the weed? (1mk)

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(iii) State the harmful effects of the weed on crop production. (1mk)

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(iv) Give TWO measures used to control the weed. (2mks)

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20. (a) Define drainage as used in crop production. (1mk)

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(b) State FOUR importance of drainage in crop production. (4mks)

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SECTION C (40 Marks)

21. (a) State the importance of water to plants. (4mks)

(b) What is the importance of treating water before use. (4mks)

(c) Describe the process of water treatment using a mechanical treatment plant. (12mks)

22. (a) What is Land reform? (1mk)

(b) What is the objectives of land tenure reform? (4mks)

(c) Explain how the following land reforms are carried out:

(i) Land consolidation. (6mks)

(ii) Land adjudication and registration. (7mks)

(d) Differentiate between settlement and resettlement. (2mks)

23. (a) What is compost manure? (1mk)

(b) State two factors to consider in selecting a site for preparing compost manure. (4mks)

(c) With the help of illustrations where possible, explain how compost manure is prepared using the Indore method. (5mks)

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