

Name: ADM No:

Candidate's Signature: Class.....

443/1

AGRICULTURE

Paper 1

Time: 2 Hours

1st October, 2024

MOI GIRLS' HIGH SCHOOL- ELDORET

KCSE TRIAL

443/1

AGRICULTURE THEORY

Paper 1

Time: 2 Hours

Instructions To Candidates

Write your name and index number in the spaces provided above.

Sign and write the class of examination in the spaces provided above.

This paper consists of three sections A, B and C

Answer all the questions in section A and B and any two questions in section C.

Answer all questions in the spaces provided

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1 – 20	30	
B	21 - 26	20	
C		20	
		20	
Total Score		90	

This paper consists of 14 printed pages

Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are n

SECTION A(30mks)

Answer all the questions in the spaces provided.

1. State **four** entries in a breeding record in pig production.

(2mks)

2. Give **three** ways of classifying pasture.

(1½ mks)

3. Name **two** liming materials used in the farm.

(2mks)

4. Name **four** financial books used in farm account.

(2mks)

5. Name **four** classes of livestock farming.

(2mks)

6. State **four** measures of National economic development of a country.

(2mks)

7. Name **four** fresh market tomato varieties.

(2mks)

8. State **four** disadvantages of chemical weed control.

(2mks)

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(2mks)

9. State four importance of practicing Agro forestry.

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(1½ mks)

10. State **three** types of production functions in Agriculture.

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(2mks)

11. State **four** effects of high temperature on crop production.

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(2mks)

12. State **four** effects of living organism in crop production.

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(2mks)

13. Name **four** types of Terraces used in soil and water conservation.

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14. Name two types of pruning in coffee.

(2mks)

15. State three functions of Agricultural finance cooperation (AFC).

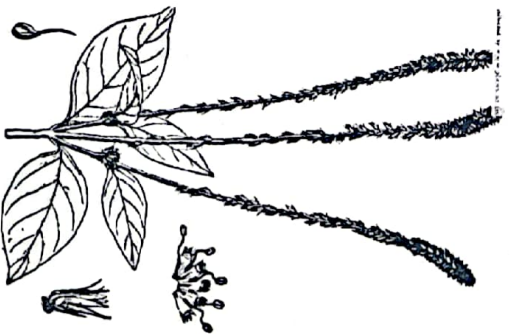
(1½ mks)

16. State three sources of capital for starting Agricultural activity.

(1½ mks)

SECTION B(20mks)

17. Below are illustrations of common weeds. Study them and answer the questions that follow



A



B

(a) Identify the weeds

(2mks)

(b) State one harmful effects of the weed B above

(1mk)

(c) Give four advantages of leasehold tenure systems

(2mks)

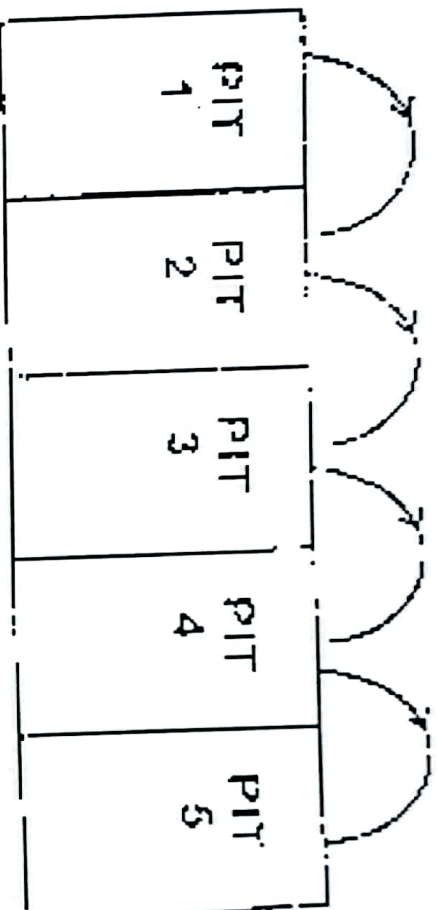
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18. The following diagram shows a method of compost preparation



preparation

(a) Identify the method

(1 mk)

(b) Give two factors considered when siting the compost pit

(2 mks)

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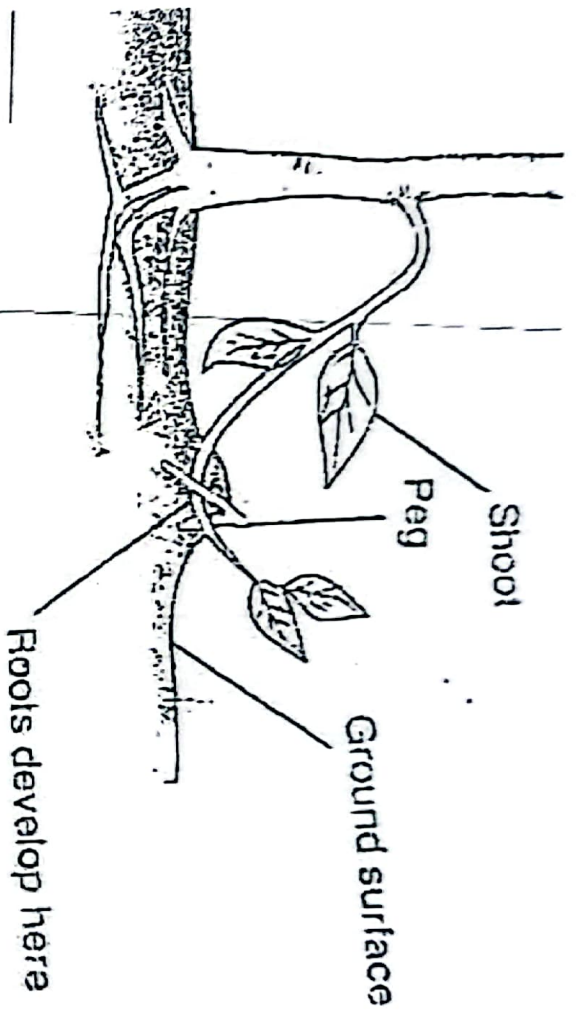
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(c) State two factors that would determine time the manure would be ready for use in the field (2mks)

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19. Study the diagram below of crop propagation and answer the following questions



a) Identify the propagation method

(1 mark)

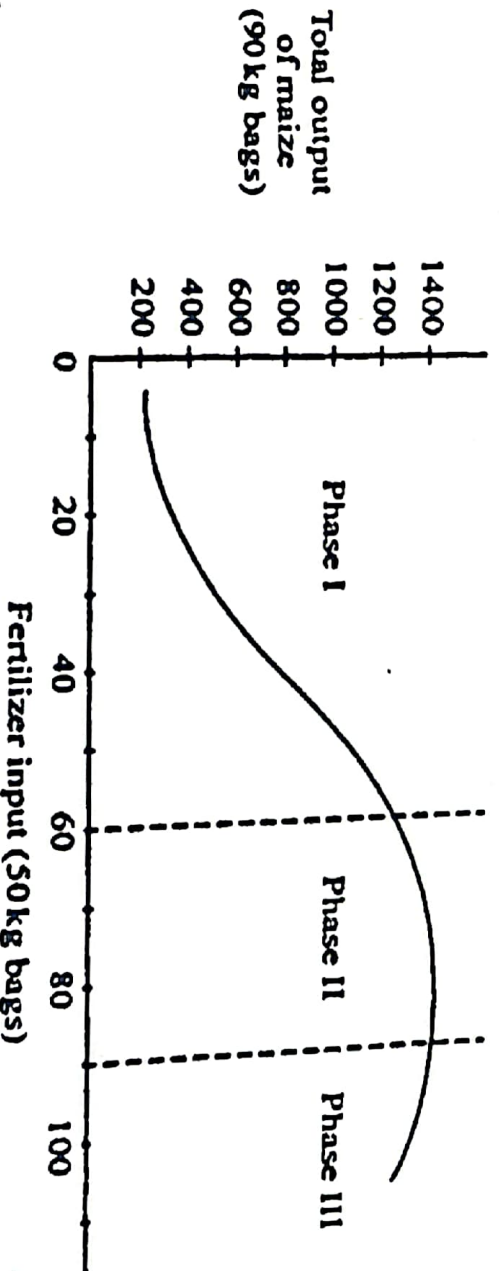
b) State two factors that encourage root formation in the above method of propagation

(2marks)

c) Name two crops that can be propagated using the above method

(2marks)

20. Below is a graphical representation of a law in agricultural economics. Study the graph carefully and answer the questions that follow.



a). Identify the law illustrated by the graph.

(1 mk)

b). State the importance of the law identified in (a) above to the maize farmer.

(1 mk)

c). Explain how each additional unit of fertilizer input relates to the total output of maize in phases II and III.

(2mks)

II

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III

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d). Name the irrational phase of operation in c) above

(1 mk)

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SECTION C (40mks)

Answer any two questions in this section in the spaces provided after question.

- 21.
- (a) Explain five functions of a live fence in a farm. (5mks)
 - (b) Describe various risks and uncertainties in crop farming (10mks)
 - (c) State five functions of young farmers clubs in Kenya (5mks)

22.

- a) Explain five factors that should be considered when planning to set up a farm business. (10 mks)

- b) The information below was extracted from the financial valuation of Uwezo Micro-farm at the end of the year 2017.

ITEM	VALUE IN KSHS
Tools in store.....	10,000
Cattle feed in store	4,000
Office equipment	1,400
Calves	5,000
Machinery	4,000
Land	260,000
Seven Mature sheep.....	7,000
Buildings	126,000
Maize in store	19,000
Daily cattle	55,000

On the same date, the farm had Kshs 50000 in the bank and owed KFS Kshs 4500 for fertilizers and 5000 to Unga ltd for feeds delivered and 12000 for laborers' wages. KCC owed the farm 5000 for fresh milk delivered. Draw up a balance sheet for Uwezo Micro farm as at 31st December 2017. (10marks)

23.

- (a) Outline the information contained in a purchase order. (5mks)
- (b) Describe the harvesting of tea (7mks)
- (c) Explain the cultural methods of controlling soil erosion (8mks)