

NAME.....ADM. NO.....

Candidates Signature:.....

Date:.....

443/1

PRE-MOCK

Kenya Certificate of Secondary Education

AGRICULTURE

PAPER 1

2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and Adm. Number in the spaces provided above.
2. Sign and write the date of examination in the spaces provided above.
3. This paper consists of three sections A, B and C
4. Answer all the questions in section A and B
5. Answer any two questions in section C
6. All answers should be written in the spaces provided.
7. This paper consists of 7 Printed pages
8. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

For Examiner's use only

Section	Questions	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 16	30	
B	17 - 19	20	
C		40	
Total Score		90	

SECTION A (30 MARKS)

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

1. State Four reasons why many Kenyan farmers adopt small scale farming. (2 marks)
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2. List three negative effects of wind in agricultural production. (1 ½ marks)
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3. Give Four characteristics of a productive soil that increases crop production. (2 marks)
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4. State three basic economic concepts. (1 ½ marks)
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5. State four harmful effects of weeds in pasture production. (2 marks)
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6. List four advantages of tenancy system in farming. (2 marks)
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7. State four benefits of minimum tillage. (2 marks)

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8. State **four** methods of treating water for domestic use. (2 marks)

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9. Give **four** reasons why it is advantageous to use farm yard manure instead of straight fertilizers. (2 marks)

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10. Give **four** reasons why it is not recommended to apply nitrogenous fertilizers at the planting time. (2 marks)

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11. State **four** factors that a farmer should consider when selecting materials for planting. (2 marks)

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12. State **four** importance of using a nursery bed when establishing vegetables. (2 marks)

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13. Give **three** importance of grafting in crop production. (1 ½ marks)

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14. List **three** limitations of mulching

(1 ½ marks)

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15. State **four** advantage of silage making

(2 marks)

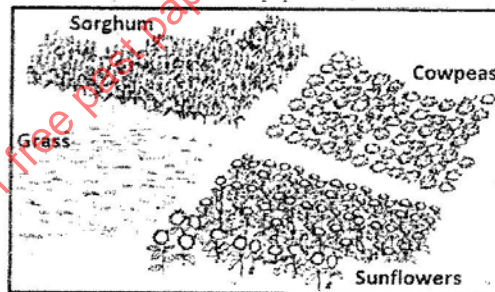
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16. Name **four** methods of classifying crop pest.

(2 marks)

SECTION B (20 Marks)

Answer all the questions in this section in the spaces

17. The diagram below represents a crop practice



a) Name the cropping system illustrated above

(1 marks)

b) Give a reason for your answer

(1 marks)

c) State **four** importance of the farming practice illustrated above

(4 marks)

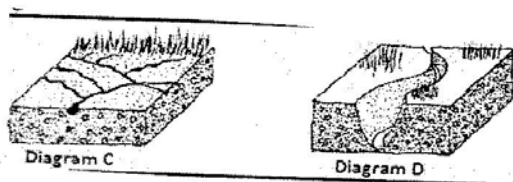
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18. The Figure below illustrates two types of soil erosion.



a) Identify each type of soil erosion

(2 marks)

C

D

b) Outline the steps towards the formation of erosion labeled D.

(4 marks)

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c) State one way, how each type of soil erosion can be controlled?

(2 marks)

C.....

D.....

19. The diagram below is a procedure used in preparing planting materials.



a) Name the practice. (1 marks)

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b) State the importance of this practice in agriculture. (1 marks)

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c) Outline the procedure that was used to prepare this planting materials. (2 marks)

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d) State **two** precautions that must be taken to account during this process. (2 marks)

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SECTION C (40 Marks)

Answer only Two questions in this section in the spaces provided after the question

20. a) List **four** methods of harvesting water in a farm (4 marks)

b) Outline **four** farming activities which may encourage soil erosion (4 marks)

c) Explain **Six** farming practices which would help to conserve soil in a farm (12 marks)

21. State and explain

a) **Five** Advantage of crop rotation (10 marks)

b) **Five** factors which may influence the spacing of crops (10 marks)

22. Describe the production of cabbages under the following sub-headings

i. Seedbed preparation (3 marks)

ii. Transplanting of seedlings (7 marks)

iii. Describe the effects of pests on maize in the field (6 marks)

iv. Outline the procedure of harvesting pyrethrum (4 marks)