

KAPSABET HIGH SCHOOL



443/1
AGRICULTURE
PAPER 1
TIME: 2 HOURS



NAME _____ ADM _____ INDEX _____
NO _____

INTERNAL TRIAL 1 2023

Instruction to candidates

- Write your name and index number in the space provided above
- This paper consists of three sections **A**, **B** and **C**
- Answer **ALL** questions in section **A** and **B** and Any Two questions from section **C**
- ALL** answers must be written in the space provided after every question

EXAMINERS USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-15	30	
B	16-23	20	
C	24-26	40	

	TOTAL	90	
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SECTION A (30 MARKS)

Answer all questions in this section in the spaces provided

1 a) Give **TWO** characteristics of intensive farming system

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..... (1mk)

b) State **TWO** advantages of mixed cropping

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.....(1mk)

2. State **TWO** roles of humus in the soil

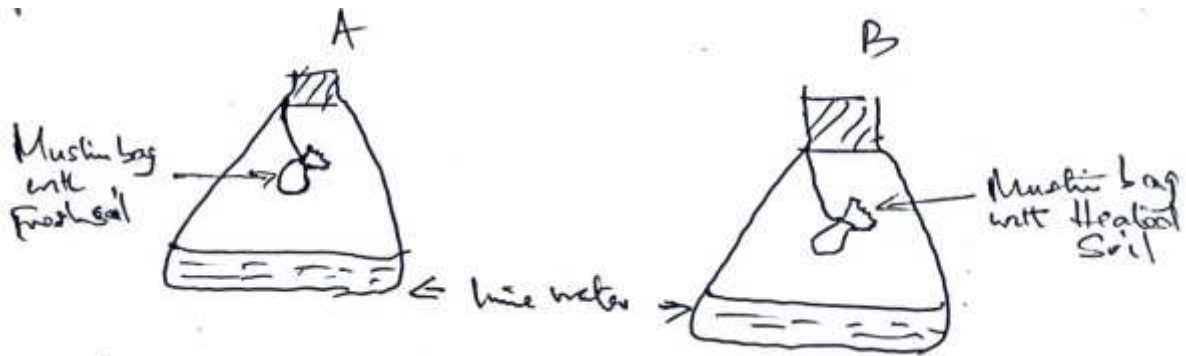
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.....(1mk)

3. List **FOUR** effects of temperature on crop growth

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.....(2mks)

4. Diagram below shows an experiment carried out by Form 1 students. Study and answer the questions that follows.



a) What is the objective of the experiment

.....(1/2mks)

b) What observation should be made after 12 hours in flask A and B(1mk)

A

B

c) Give the reason for your observation

.....
.....
.....(1mk)

5. Give **THREE** factors that determines the depth of ploughing in land preparation

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.....(1½mks)

6 a) what is minimum tillage

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.....(1mk)

(b) Give **FOUR** practices that encourages minimum tillage

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.....(2mks)

7 a) State **TWO** types of irrigation carried out in Kenya

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.....(1mk)

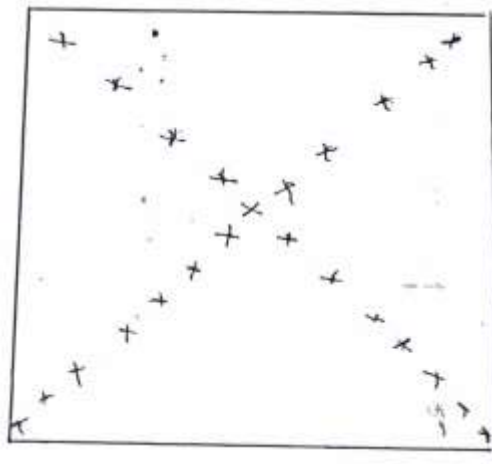
(b) List **FOUR** uses of water on the farm

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..... (2mks)

8. Give **THREE** reasons for keeping health record in the farm

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..... (1½mks)

9. The diagram below shows a method of soil sampling



a) Name the method illustrated above

.....(1/2mk)

b) State **THREE** precautions taken when collecting a soil sample

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.....(1 1/2mks)

c) Give **FOUR** reasons for testing soil

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.....(2mks)

10. State **TWO** reasons for seed treatment

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..... (1mk)

11. Give **TWO** factors that determine spacing of beans

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.....(1mk)

12. State **FOUR** benefits of farmer having land title deed

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.....(2mk)

13. List **THREE** materials that can be used to construct a gabion

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.....(1 1/2mks)

14. List **FOUR** harmful effects of crop pests

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.....(2mks)

15. Give **FOUR** ways by which a farmer can improve labour productivity on the farm

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.....(2mks)

SECTION B (20 MARKS)

16. Differentiate between cropping and harvesting in fish farming

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.....(2mks)

17. Give **THREE** factors that determine the quality of shading forage

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.....(3mks)

18. State **four** characteristics of extensive farming systems

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.....(2mks)

19. State **TWO** factors that determine selectivity of herbicides

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.....(2mks)

20. Give **TWO** factors affecting the quality of hay

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.....(2mks)

21. State **four** physical factors in soil formation

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.....(2mks)

22. State **four** factors that determine the depth of planting.

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..... (3mks)

23. State **four** harmful affects ticks on livestock.

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.....(2mks)

SECTION C (40MARKS)

Answer Any TWO questions in this section

24 (a) Explain **FIVE** cultural methods of pest control (10mks)

(b) Outline **FIVE** factors considered in timely planting of annual crops (10mks)

25 (a) Outline the process of land Adjudication (5mks)

- a. (b) Discuss **five** reasons for carrying out minimum tillage. (5 marks)
- b. Explain **5** ways in which soil losses fertility. (10 marks)

26 (a) Describe **seven** field management practices in tomato production. (7marks)

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