

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

STRAEM.....DATE.....SIGNATURE.....

CHESAMISI BOYS HIGH SCHOOL

FORM ONE

AGRICULTURE

TERM 3, CAT 1

Time: 2 hours

Instructions:

- *Answer all questions in the spaces provided.*
- *This examination consists of three sections*
- *The paper consists of 22 questions*

Table for Examiners use only

SECTION	MAX SCORE	CANDIDATES SCORE
A	40	
B	20	
C	40	
Totals	100	

SECTION A (40 mrks)

1. Name the main branches of Agriculture (2mrks)

.....
.....
.....

2. Differentiate between field crops and horticultural crops (2mrks)

.....
.....
.....

3. List four types of livestock farming. (2mrks)

.....
.....
.....
.....
.....

4. a) Define a farming system (1mrk)

.....
.....

b) distinguish between extensive system and intensive system (2mrks)

.....
.....
.....

5. give four reasons why ranching is important in the arid and semi-arid areas of Kenya. (2mrks)

.....
.....
.....
.....
.....

.....
6. State four importance of horticultural crops in the economy of Kenya (2mrks)

.....
.....
.....
.....
.....
.....

7. State three effects of HIV/AIDS on Agriculture. (3mrks)

.....
.....
.....
.....

8.State four effects of high temperature in crop production. (2mrks)

.....
.....
.....
.....

9. Give two aspects of rainfall (2mrks)

.....
.....

10. Classify the plant varieties based on light duration (1 1/2 mrks)

.....
.....
.....
.....

11. State three farming practices which help to improve soil structure. (1. 1/2mrks)

.....
.....
.....

12. State the maintenance practices carried out on the following tools (4mrks)

a) Handsaw

.....

b) milking churn

.....

c) Jembe

.....

d) Knapsack sprayer

.....

13. Differentiate between a claw hammer and ball pein hammer. (2mrks)

.....

.....

14. Name three operations in land preparation that can be carried out by a farmer.

(3mrks)

.....

.....

.....

.....

15. Give four conditions that are considered when clearing land for growing crops.

(2mrks)

.....

.....

.....

.....

16. Give three factors that should be considered when choosing correct implement

for primary tillage (3mrks)

.....
.....
.....
.....

17. Define the following terms:

(i) Ridging

.....
.....

(ii) Rolling

.....
.....

(iii) Levelling

.....
.....

SECTION B (20 mrks)

18. Study the diagrams of livestock production tools below and answer the questions that follow

a) Identify the tools E, F, G and H (4mrks)

E.....

F.....

G.....

H.....

b) State two maintenance practices of the equipment E (2mrks)

.....

.....

.....

.....

19. The diagram below illustrates a final seedbed after a tertiary operation done during land preparation. Study it carefully and answer the questions that follow.

a) Name the tertiary operation carried out on the seedbed (1mrk)

.....

b) Describe how the tertiary operation named above is carried out (2mrks)

.....
.....
.....
.....

c) Give two advantages of planting crops on a final seedbed illustrated above (2mrks)

.....
.....

20. The diagram below shows an experiment set up using soil types G, H and J and observations made after 24 hours. Study yhe diagram and answer the questions that follow.

(i) What is the experiment above designed to study? (1mrk)

.....
.....

(ii) Name the three soil types G,H and J (3mrks)

G.....

H.....

J.....

(iii) What are the characteristics of the soil texture types G and J (2mrks)

.....
.....

(iv) Explain how a farmer would improve the structure of soil type G (2mrks)

.....
.....
.....

SECTION C (40 mrks)

21. a) Explain six reasons for carrying out minimum tillage on the farm
(12mrks)

.....
.....
.....
.....

.....
.....
.....
.....
.....
.....

b) Name and explain any four methods of land clearing. (8mrks)

.....
.....
.....
.....
.....
.....

22. a) Explain five roles of Agriculture in the economy of Kenya (10mrks)

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

b) Name and explain any four biotic factors in agricultural production.
(10mrks)

.....
.....
.....
.....

.....

.....

.....

.....

.....

THIS IS THE LAST PRINTED PAGE

(We wish you the best in your exam!)