

Name.....

Adm.No.....Date.....

Stream.....

AGRICULTURE

FORM TWO

TERM TWO EXAM

JUNE 2018

MARANDA HIGH SCHOOL END TERM EXAMINATIONS

Kenya certificate of Secondary Education

AGRICULTURE FORM TWO

CYCLE TWO TERM 2018

Time: 2 hours

INSTRUCTIONS TO CANDIDATES

- Write your name and admission number in the spaces provided above.
- All answers must be written in the spaces provided in this booklet.
- Sign and write the date of examinations in the spaces provided above.

ANSWER ALL QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED

1. List any five biotic factors that affects agriculture positively.(5Mks)

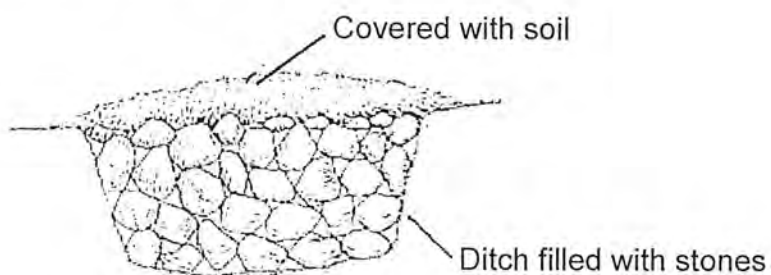
2. State any four agricultural practices which are scientific. (4mks).

3. Define the term mixed farming. (1mk)

4. Complete the table below. (5mks)

	crop	Vegetative part
1	Sweet potato	Vines
2	Pineapples	
3	Sisal	
4	Bananas	
5	Sugarcane	
6	pyrethrum	

5. The illustration below shows a structure for removing excess water in marshy areas. Study it carefully and use it to answer the questions that follow:



- a. Identify the structure. (1mk)

- b. Explain how the above structure removes excess water in waterlogged areas. (2mks)

- c. Apart from the above mentioned structure, name three other methods used for the removal of excess water from waterlogged fields. (3mks)

6. State three factors that determine the quality of farmyard manure. (3mks)

7. Briefly explain how changes in soil Ph affects soil fertility.

(2mks)

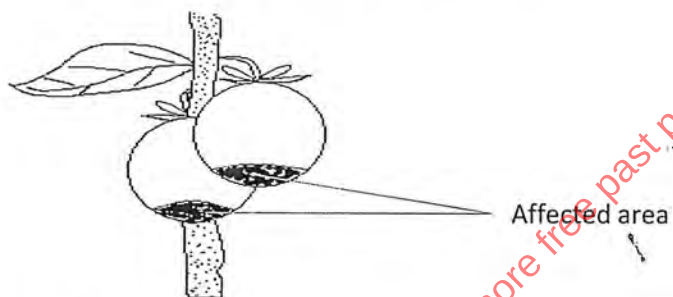
b. Give two causes of the condition identified in (a) (2mks)

c. Give two differences between processing and fresh

market varieties of tomatoes

(2mks)

8. The diagram below shows a physiological condition in tomatoes. Use it to answer questions that follow.



a. Identify the condition.

(1 mark)

9. Study the illustration below and answer the questions that follow



(a) Identify the pig breed. (1mk)

(b) Give a reason for your answer above. (1mk)

(c) List three importance of pigs to Kenyan farmers. (3mks)

10. a) What is a farm record. (1mk)

b) List two types of farm records that are of importance to wheat producing farmer. (2mks)

c) What is opportunity cost? (1mark)

ii) A farmer has an option of growing either wheat or

maize in his one hectare of land. Wheat gives a return of

kshs.20, 000 while maize fetches kshs.35, 000 in the

market. If the famer chooses to grow wheat what will be

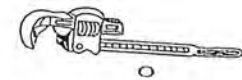
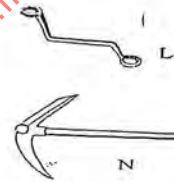
the opportunity cost? (1mark)

11. Give three qualities on a good grain store. (3mks)

12. State three reasons for keeping farm livestock healthy.
(3mks)

13. Highlight two factors that determine the time for
harvesting a given crop. (2mks)

14. Below are farm tools, study them and answer the questions
below:-



a. Identify the tools M, N. (2mks)

M _____

N _____

b. Give one functional advantage of M over tool L. (1mk)

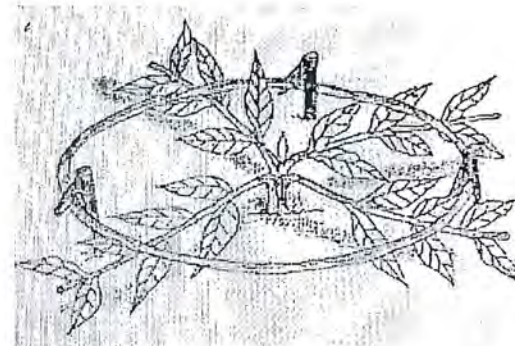
c. State one function and maintenance practice carried out on tool O. (2mks)

FUNCTION.

MAINTENANCE

15. Briefly explain why manure application is not recommended for production of carrots. (1mark)

16. The diagram below shows a method of bringing tea into bearing. Study it carefully and use it to answer the questions that follow:



(i) Identify the method shown in the diagram. (1mk)

(ii) Why is it necessary to prune a young tea plant as illustrated in the diagram above? (1mk)

(iii) Outline the procedure followed when using the pruning method shown. (3mks)

17. Give three factors that determine the number of times secondary cultivations carried out on a field. (3mks)

18. A farmer had a plot of land size 5 hectares in which she intended to plant maize.

She was advised to apply 150kg P_2O_5 per hectare at planting and 200kg N per hectare during top dressing.

The fertilizers available in the market were di-ammonium phosphate 18-46-0 and calcium ammonium nitrate (20%N).

(a) The total nutrients percentage in di-ammonium phosphate fertilizer is 64%. Account for the remaining percentage

(1mk)

(b) Calculate the amount of DAP required in the total area for maize.

(2mks)

(c) Calculate the amount of CAN required in the total area for maize. (3mks)

(d) List two importance of Magnesium in growing crops.(2mks)
