

Name .....Index

No.....

CANDIDATES SIGNATURE.....

DATE.....

443/1

AGRICULTURE

Paper 1

JULY/AUG 2010

2 Hours

# LAICOMET 2010

## Kenya Certificate of Secondary Education

443/1

AGRICULTURE

Paper 1

JULY/AUG 2010

- ❖ *Write your name and index number in the space provided above.*
- ❖ *This paper consists of three sections; A,B and C*
- ❖ *Answer all the questions in sections A and B*
- ❖ *Answer two questions in Section C in the space provided*

**For examiner's use only**

SECTION	Question	Maximum score	Candidates score
A	1 -16	30	
B	17 -20	20	
C		20 20	

**SECTION A (30 Marks)**

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

1. Give **four** practices a farmer can carry out to ensure maximum use of nitrogenous fertilizers in a crop of maize. (2marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2. State **four** importance of Agro –forestry. (2marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

3. Give **five** reasons for carrying out drainage in a waterlogged soil before planting.(2marks)

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

4. State **four** indicators of economic development in a country. (2marks)

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

5. State **three** ways in which industries and agriculture interdepend. (1½marks)

.....  
.....

.....  
.....

.....  
.....

6. Give **four** advantages of co- operative land tenure system (2marks)

.....  
.....

.....  
.....

.....  
.....

.....  
.....

.....  
.....

7. State **four** causes of failure in pasture establishment. (2marks)

.....  
.....

.....  
.....

.....  
.....

.....  
.....

.....  
.....

8. Give **two** classification of credits according to repayment period (2marks)

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

9. State **three** harmful effects of diseases in crops. (1½marks)

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

10. List down **three** types of product – product relationship in Agriculture. (1mark)

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

.....  
.....

11. State **two** activities that are carried out during hardening – off of tomato seedlings in the nursery. (1marks)

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

12. Give **four** reasons seed selection in crop production. (2marks)

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

13. State **four** disadvantages of communal land tenure. (2marks)

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

14. List **four** areas which make shifting cultivation practicable (2marks)

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

15. State **five** factors that influence mass – wasting. (2marks)

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

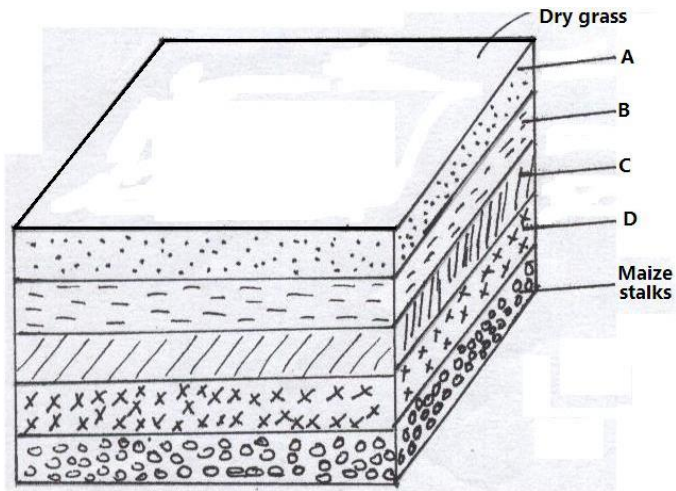
16. State **three** ways of controlling blossom – end Rot disease in tomato (1marks)

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

**SECTION B (20 Marks)**  
**Answer all questions in this section**

17. Study the diagram below carefully and answer questions that follow





A – What is the purpose of the maize stalks as the foundation. (1mark)

.....  
 .....

B – Give out the dimensions of the above illustration. (1mark)

.....  
 .....

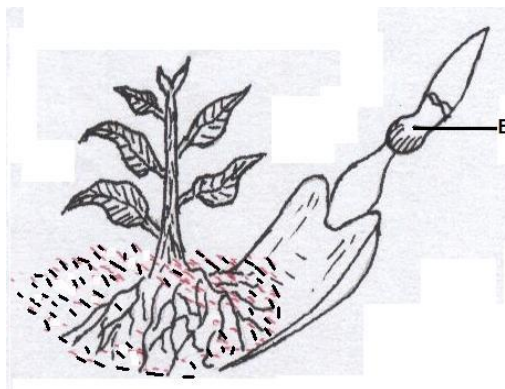
C- Name the layer labelled A. (1mark)

.....  
 .....

D – State the importance of the layer labelled A in the above illustration. (1mark)

.....  
 .....

18. Study the illustration below carefully and answer questions that follow



a) Identify tool labelled E (1mark)

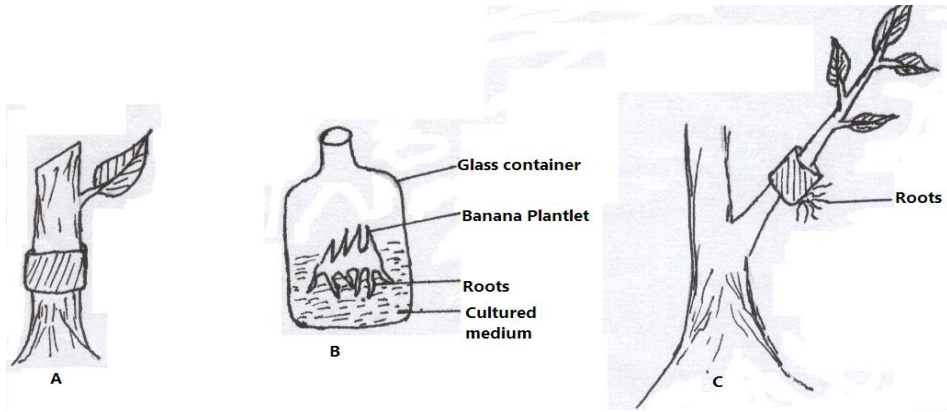
.....  
.....  
.....  
.....  
.....  
.....

b) Describe the procedure of transplanting

(5marks)

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

19. Study the methods of crop propagation A, B and C illustrated below and answer questions that follow



A. Identify the methods of crop propagation illustrated above. (3marks)

A.....

B.....

C.....

B. Give **one** condition under which method C above is carried out. (1mark)

.....  
 .....

C. Give **two** importance of using the method of propagation illustrated in B above. (1mark)

.....  
 .....

20. List down five advantages of using herbicides in the farm. (5marks)

.....  
 .....





.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....