

Name: Index No:

Candidate's Signature:

Date:

443/1
AGRICULTURE
PAPER 1
JULY/AUGUST 2014
TIME: 2 HOURS

NYAMIRA SUB-COUNTY JOINT EVALUATION EXAM

Kenya Certificate of Secondary Education

443/1
Agriculture
Paper 1
2 hours

INSTRUCTIONS TO CANDIDATES:

- This paper contains **three** sections A, B and C
- Answer **ALL** the questions in section A and B
- Answer any **Two** questions from section C
- All answers should be written in the spaces provided.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-14	30	
B	15-18	20	
C		20	
		20	
TOTAL		90	

This paper consists of 8 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A (30MKS)

Answer ALL the questions in this section in the spaces provided

1. List **three** aspects of light that influence crop production (1 ½ mks)

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

2. State **two** causes of hard pans in the farm (1mk)

.....
.....

3. Differentiate between Afforestation and reforestation (1mk)

.....
.....

4. State **two** ways through which rainfall reliability influence crop production (1mk)

.....
.....

5. Give **four** financial documents kept in the farm (2mks)

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

6. List **four** reasons for using certified planting materials (2mks)

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

7. Give **four** disadvantages of tissue culture as a method of propagating crops (2mks)

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

8. State **four** samples of working capital in wheat production (2mks)

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

For More Free KCSE Past papers Visit www.freekcsepapers.com

9. State **four** types of product –product relationship in the farm economics (2mks)
.....
.....
.....
.....
10. (a) What is the minimum number of people required to form co-operative society in Kenya?(½ mks)
.....
(b) Give **two** indicators of economic growth in a country (1mk)
.....
.....
.....
11. State **three** qualities to consider when selecting agro-forestry trees (1 ½ mks)
.....
.....
.....
12. State the principle of substitution (1mk)
.....
.....
13. State **four** farming practices which encourage soil erosion (2mks)
.....
.....
.....
.....
14. Give **four** ways through which soil loses its fertility (2mks)
.....
.....
.....
.....
15. Give **three** reasons for timely planting (1 ½ mks)
.....
.....
.....
16. State **four** importance of organic mulches to crops (2mks)
.....
.....
.....
.....

17. State **three** tertiary operations carried out in the farm (1 ½ mks)

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

18. Give **three** examples of nitrogenous fertilizers used in the farm (1 ½ mks)

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

19. State **two** importance of flooding water in the rice products (1mk)

.....
.....

SECTION B (20 MKS)

Answer ALL Questions in this section

20. Study the following diagrams then answer the questions that follows:



a



b



c



d

(i) Identify the weed that given above

a.....

b.....

c.....

d.....

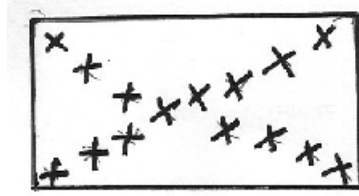
(ii) Why is it difficult to control weed D? (1mk)

(iii) State effect of weed C to livestock (½ mk)

21. Study the methods of sampling shown below, then answer the questions that follow



a



b

(i) Identify the methods illustrated above (1mk)

a.....

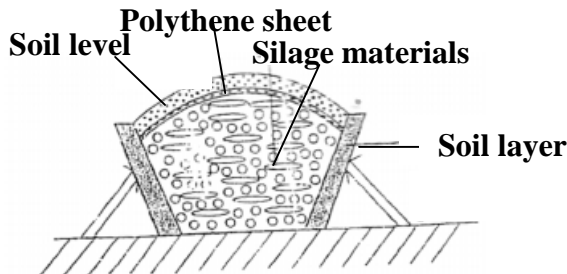
b.....

(ii) State **four** precautions observed while undertaking the procedures above (2mks)

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

(iii) Calculate the amount of the fertilizers required to supply 60KgN to a piece of land, if Sulphate of ammonia (20%N) is the only fertilizer available (2mks)

22. (a) Study the diagram below then answer the questions that follow



(i) Identify the silo given above (1 ½ mks)

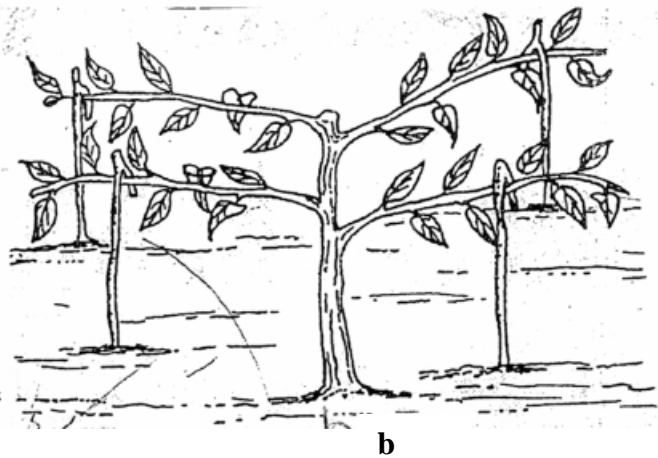
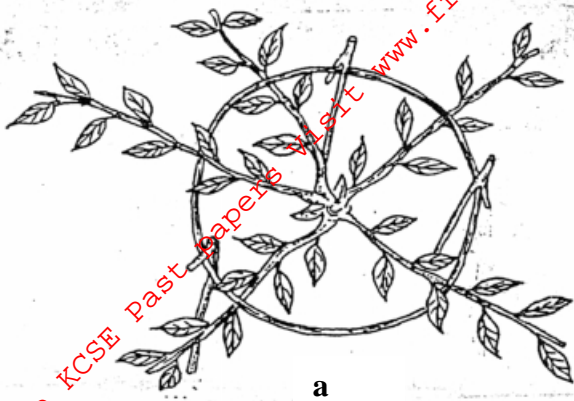
.....

(ii) Why should the top of the silage material be arched or slopping (1mk)

.....

(iii) How is high temperatures reduced in the silo during ensiling process (1mk)

23. (a) Study the diagrams given below then answer the questions that follow



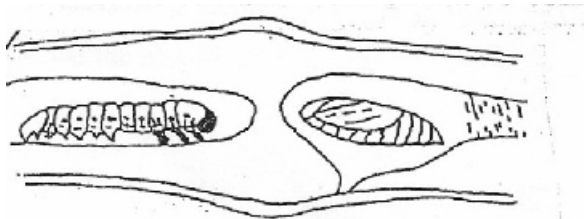
(i) Identify illustrations shown above (1mk)

a.....

b.....

(ii) State the advantages of the above practice over formative method (1mk)

24. Study the pest below then answer the question that follows

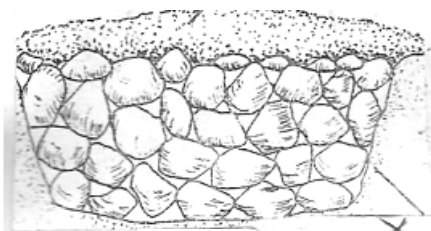


(i) Identify the pest above (1/2 mk)

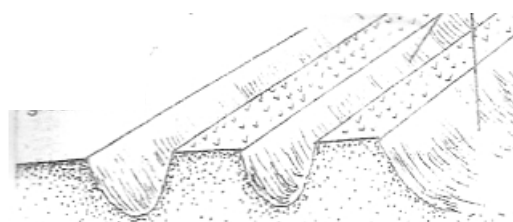
(ii) Name the part of the crop which pest above attack (1/2 mk)

(iii) Name two methods used to control the pest above (1mk)

25. Identify the diagram below then answer the questions that follow



X



Y

(a) Name the above methods of drainage

