

NAME..... INDEX NO.....

443/1
AGRICULTURE
PAPER 1

CANDIDATE'S SIGN.....

DATE.....

TIME: 2 HOURS

CENTRAL KENYA NATIONAL SCHOOLS JOINT EXAM - 2015

Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 1
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- Write your **name** and **index number** in the spaces provided above.
- Sign and write the date of examination in the spaces provided above.
- This paper consists of **THREE** Sections **A**, **B** and **C**.
- Answer all questions in Section **A** and **B** and any **Two** in Section **C**.
- All answers must be written in the spaces provided.

FOR EXAMINER'S USE ONLY

Section	Question	Maximum Score	Candidate's Score
A	1 - 18	30	
B	19 - 23	20	
C	24 - 26	40	
Total Score		90	

SECTION A: (30 MARKS)

Answer all questions in this section in the spaces provided.

1. State **two** advantages of intensive farming system. (1mk)

2. Outline **four** effects of application of nitrogenous fertilizers on tomatoes. (2mks)

3. List **four** ways which are used to control stalk borers in maize. (2mks)

4. Give **four** factors that influence the quantity of water used in the farm. (2mks)

5. State **four** characteristics of trees and shrubs suitable for agroforestry. (2 marks)

6. Name **three** examples of leguminous fodder crops. (1½mks)

7. Give **four** methods of layering in crop production. (2mks)

8. State **four** principles that govern the running of co-operatives in Kenya. (2mks)

9. Give **four** disadvantages of landlordism tenancy system of land tenure. (2mks)

10. List **two** types of labour record kept on the farm. (1mk)

11. Give reason as to why the following practices are carried out in preparation of planting materials.

(i) Seed dressing. (½mk)

(ii) Seed inoculation. (½mk)

(iii) Chitting. (½mk)

12. State **four** factors influencing supply of beans in a local market. (2mks)

13. State **four** ways in which biological agents influence soil formation. (2mks)

14. Beside providing water to the plants. State **two** other uses of flood water to rice field. (1mk)

15. Outline **four** reasons for pruning fruits crops. (2mks)

16. State **four** importance of breaking hard pan in land preparation. (2mks)

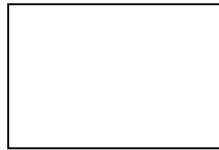
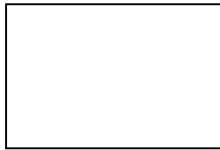
17. How are the following conditions prevented in carrot production? (2mks)
(i) Forking.

(ii) Greening of root tuber.

SECTION B: (20 MARKS)

Answer all questions in this section in the spaces provided.

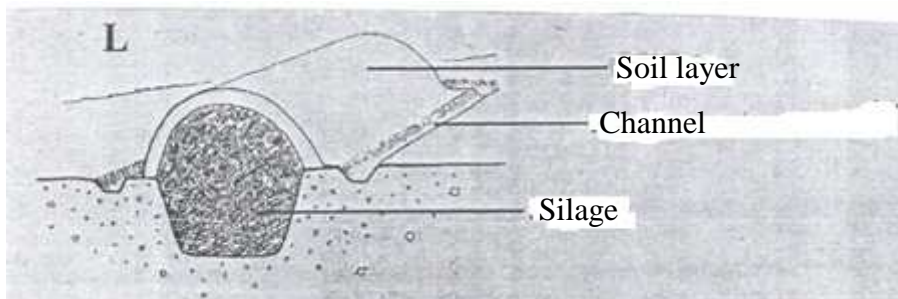
18. The illustration below shows a layout of a method of making compost manure. Study it correctly and answer the questions that follow.



(a) Identify the method above. (1mk)

(b) Using letters **X**, **Y** and **Z** and arrows complete the diagram above. (4mks)

19. Observe the structures labelled **L** and answer the questions that follow.



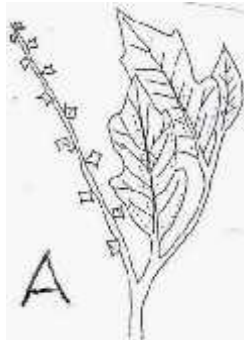
(a) Name the structure labelled **L**. (1mk)

(b) State the importance of the channel around the structure **L**. (1mk)

(c) Outline **two** reasons for conserving forage. (2mks)

(d) Name **two** main silage losses that can occur during ensiling. (1mk)

20. Below are diagrams of weed study them and answer the questions that follow.



(a) Identify weed: (2mks)

A _____

B _____

(b) Explain why it's difficult to control the above weeds. (1mk)

(c) Mention **two** benefits of weed **B** to the farm. (2mks)

21. The following transactions were extracted from Mr. Ouko's financial books for the month of February 2014.

1/2/14: Bought a mower Sh. 5,000

2/2/14: Bought animals feed Sh. 10,000

2/2/14: Sold 2 calves Sh. 4,000

19/2/14: Paid interest on loan Sh. 1,000

21/2/14: Sold eggs Sh. 2,000

Prepare a cash book for Mr. Ouko's farm.

(5mks)

SECTION C: (40 MARKS)

Answer any two questions in this section in the spaces provided.

22. (a) Describe **five** agricultural support services available to farmers. (10mks)
- (b) Explain **five** structural methods of soil erosion control. (10mks)
23. (a) Describe **ten** management practices carried out on a nursery to ensure proper seedling development. (10mks)
- (b) Outline **six** benefits from practising minimum tillage. (6mks)
- (c) State **four** precautionary measures that should be observed while harvesting pyrethrum. (4mks)
24. (a) State **five** effects of wind while discourage crop production. (5mks)
- (b) Explain cultural method to control crop diseases. (8mks)
- (c) What is a partial budget? (1mk)

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

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