

NAME: ADM NO:

SCHOOL: DATE:

CANDIDATE'S SIGNATURE :

443

AGRICULTURE

J TIME: 2 HOURS

2016 FORM 2

Kenya Certificate of Secondary Education (K.C.S.E.)

AGRICULTURE

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) Write your **Name, School** and **Admission number** in the spaces provided above.
- (b) **Sign** and write the **date** of examination in the spaces provided above.
- (c) This paper consists of **THREE** sections **A, B** and **C**.
- (d) Answer **ALL** questions in Section **A** and **B**.
- (e) Answer any **TWO** questions in section **C**.
- (f) Answers should be written in the spaces provided.
- (g) This paper consists of **8** printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX. SCORE	CANDIDATE'S SCORE
A	1 – 14	40	
B	15 – 17	40	
C	18	10	
	19	10	
	20	10	
Total Score		100	

SECTION A (30 MARKS)
Answer ALL Questions in the Spaces Provided

1. Define the following terms as used in horticultural production.

(a) Horticulture.

(2mks)

(b) Floriculture.

(2mks)

2. State two factors that may lead to most farmers adopting small-scale farming in Kenya.

(2mks)

3. (a) What is organic farming?

(1mk)

(b) State four reasons why farmers are encouraged to practice organic farming.

(4mks)

4. Define the term Agricultural economics.

(2mks)

5. Differentiate between the terms "soil texture" and "soil structure".

(2mks)

6. State two characteristics of loamy soils.

(2mks)

7. Give three ways in which the soil PH influences crop production.

(2mks)

8. Give two reasons why soil is important to crops. (2mks)

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9. Give four government policies that can impact negatively on agriculture. (4mks)

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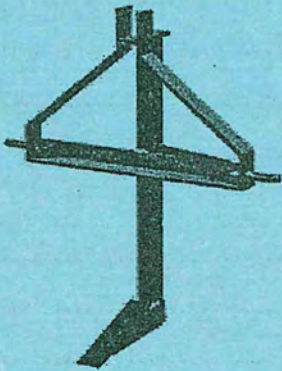
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10. Give two ways in which technological advancement leads to agricultural progress. (2mks)

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11. The illustration below shows an implement used in sub-soiling.



(a) Identify the tool. (1mk)

(b) Give three uses of the implement. (3mks)

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12. State four reasons why farmers carry out primary cultivation. (4mks)

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13. Name four implements used to carry out secondary cultivation. (2mks)

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14. Name five advantages of planting Irish potatoes on ridges. (5mks)

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SECTION B (20 MARKS)

Answer all questions in the spaces provided in this section

15. (a) Give six advantages of compost manure. (6mks)

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(b) State six limitations of compost manure. (6mks)

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16. (i) State five ways through which the soil loses its fertility. (5mks)

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(ii) Outline six ways through which the soil fertility can be maintained. (6mks)

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17.(a) What is drainage?

(1mk)

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(b) Outline five causes of poor drainage on farm land.

(5mks)

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(c) Give five reasons why farmland should be drained.

(5mks)

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(d) List six methods used to drain farm land.

(6mks)

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SECTION C

Answer any two questions in the spaces provided

18. Give ten characteristics of indigenous cattle (*Bos Inducus*).

(10mks)

19.(a) Name any seven micro nutrients that are necessary for normal growth and development of crops.

(7mks)

(b) Give three advantages of inorganic fertilizers over organic manure.

(3mks)

20. Name the vegetative parts used in the propagation of the following crops:-

(5mks)

(a)

- (i) Pyrethrum
- (ii) Sweet potatoes
- (iii) Bananas

- (iv) Oranges
- (v) Cassava
- (vi) Tea
- (vii) Sisal
- (viii) Napier grass
- (ix) Irish potatoes
- (x) Pineapples

(b) Outline five factors that a farmer should consider.

(5mks)

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