
MCHAKOS COUNTY KCSE REVISION MOCK EXAMS 2015

AGRICULTURE PAPER 1

SCHOOLS NET KENYA

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NAME: INDEX NO:

SCHOOL: DATE:

CANDIDATE'S SIGNATURE:

443/1
AGRICULTURE
PAPER 1
TIME: 2 HOURS

MACHAKOS COUNTY KCSE TRIAL AND PRACTICE EXAM 2015

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

443/1
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 section **A, B** and **C**
- Answer **all** the questions in section **A** and **B**
- Answer any **two** questions in section **C**.
- Answers should be written in the spaces provided in this booklet.

- This paper consists of 10 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-15	30	
B	16 - 19	20	
C		20	
		20	
TOTAL	Total score	90	

*A special Performance Improvement Project
By His Excellency Dr. Alfred Mutua
Sponsored by the County Government of Machakos*

SECTION A (30 MARKS)

Answer all the questions in this section in the spaces provide.

1. What is meant by the following terms

(a) Under sowing. (1mark)

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(b) Over sowing. (1mark)

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(c) Ammonification. (1mark)

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2. State four qualities of a scion for use in vegetative propagation materials (2marks)

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3. Give two advantages of compound fertilizer. (2marks)

4. State four effects of soil depth on crop production. (2mark)

5. Give four ways of improving sandy soils. (2marks)

6. State two reasons for rolling in wheat crop productivity.
(2marks)

7. Give four roles of cost agricultural economics. (2 marks)

8. State two effects of varying spacing in maize production. (1 mark)

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9. State three financial documents in agricultural production. (1½ marks)

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10. Give four disadvantages of concession land tenure systems. (2 marks)

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11. State five symptoms of viral diseases in crop production. (2½ marks)

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12. Give four factors that are considered when selecting a nursery site. (2 marks)

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13. Distinguish between seed dressing and seed inoculation. (2 marks)

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14. Give three reasons for cutting back in pyrethrum. (1½ marks)

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15. Give five ways in which consolidation helps to improve farm management. (2½ marks)

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SECTION B (20 MARKS)

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

16. i) The following is a farm record Mr. Makau had kept as at 30th June 2011. Study it carefully and prepare a balance sheet for the farm. (6 marks)

Equity loan	180,000
Equity overdraft	24,000
Working tools	30,000
Cash at hand	15,000
Cash in bank	50,000
Buildings	60,000
Debtors	18,000
Goats	48,000
Land	70,000
Creditors	49,000
Ox plough	20,000

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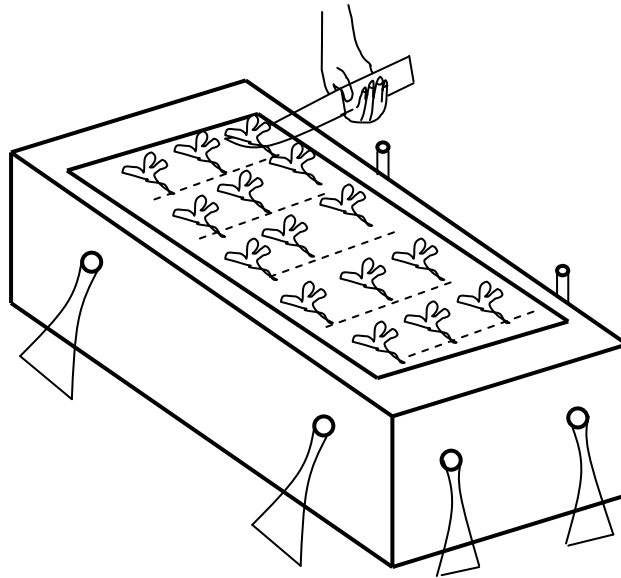
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ii) Is Mr. Makau business solvent or insolvent? Explain

(2 marks)

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17. The diagram below illustrates an agroforestry practice. Study it and answer the questions that follow.



i) Identify the agroforestry practice illustrated above.

(½ marks)

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ii) State advantages of the practice illustrated above.

(3 marks)

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iii) State three forms of agroforestry.

(1½ marks)

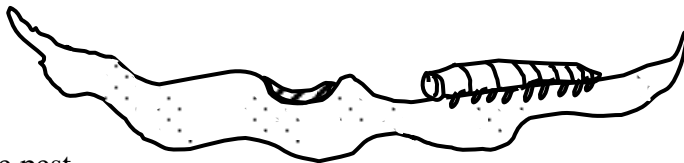
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18. Study the pest below and answer the questions below.



a. Identify the pest

(1 mark)

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b. State two methods of controlling the pest.

(2 marks)

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c. Name the crops attacked by the pest.

(1 mark)

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19. The diagram below illustrates a field management practices in tomatoes



i) Identify the practice (1 mark)

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ii) State three reasons for carrying out the practice. (3 marks)

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iii) Give another practice that could be carried out to give the same results. (1 mark)

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SECTION C (40 MARKS)

Answer any two questions from this section in the spaces provided after question 22

20. a) State the functions of the Kenya National Federation of Producers in Kenya (5 marks)
b) State five factors considered when drawing a farm plan (5 marks)
c) Describe the harvesting of cotton (10 marks)
21. a) Describe the production of carrots under the following sub headings
b) Seedbed preparation (3 marks)
c) Harvesting (4 marks)
d) Explain five cultural methods of weed control in bean production. (10 marks)
e) Outline three roles of sulphur in crop production. (3 marks)
22. a) Explain the effects of solifluction (6 marks)
b) Outline importance of grafting in oranges (4 marks)
c) Describe ways of improving labour efficiency (10 marks)

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