

Student Name_____

NKHAMENYA CLUSTER SECONDARY SCHOOLS MOCK
2021 EXAMINATIONS – FORM 4

Subject Number. M012/II

Date, 28th July, 2021

Time Allowed: 1 ½ hours
(8:00 onwards)

PAPER II
(40 Marks)
(Practical)

Instructions:

1. This paper contains **7 pages**. Please check
2. Answer all questions in the spaces provided.
3. Write your *name* and *school* on top of every page.
4. In the table provided on this page, tick against the question number you have answered.
5. Hand in your paper to the invigilator at the end.

Question Number	Tick if Answered	Do not write in these margins	
1			
2			
3			
4			

SECTION A (20 marks)

1. Students at a certain secondary school conducted an experiment on varieties of maize (L, M, N, O). The yield (Kg/Ha) for each variety are shown in table 1

Variety	Yield (Kg/Ha)
L	5600
M	4700
N	3500
O	2100

- a. Mention the problem for conducting the experiment

_____ (1 mark)

- b. Name the treatment in the experiment

_____ (1 mark)

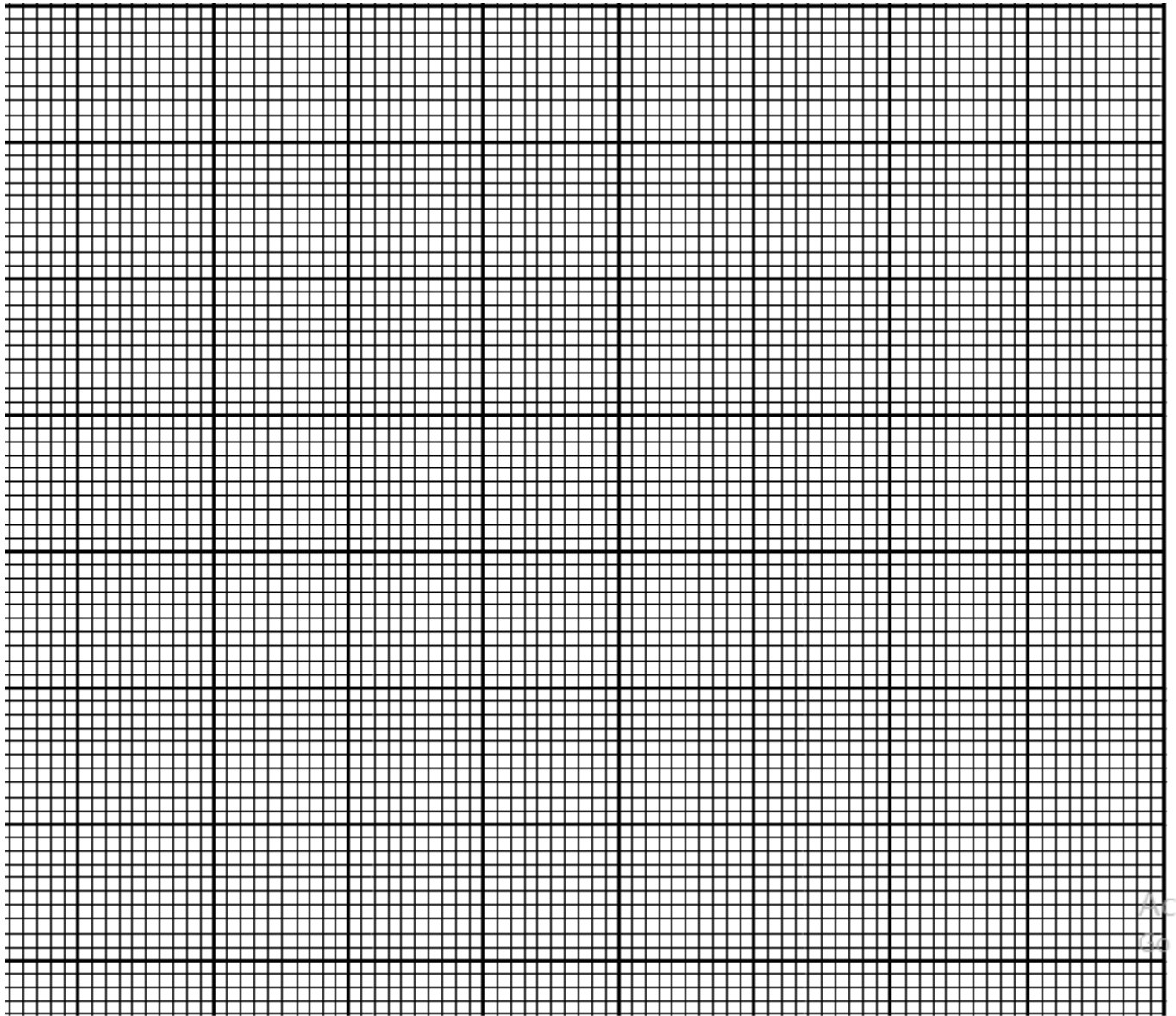
- c. Write down the recommendation of the experiment to the farmers

_____ (1 mark)

- d. Outline **four** factors that were held constant during the experiment to make the results reliable

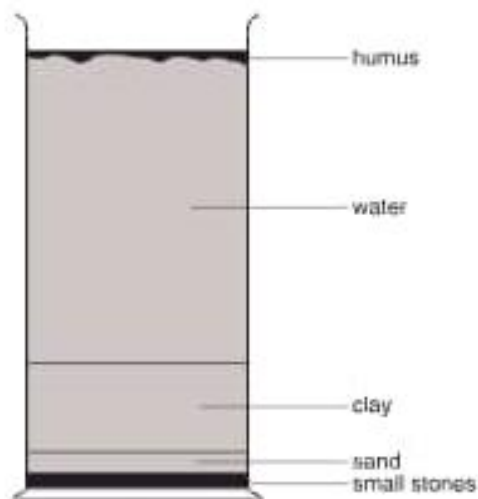
(4 marks)

e. Present the results from the table in form of a bar graph



(3 marks)

2. **a. Figure** below shows results of an experiment carried out on a sample of **soil X**. Use it to answer the questions that follow.



- (i) State any **two** characteristics of **soil X** based on the results in the figure.

(2 marks)

- (ii) State whether the soil would be acidic or basic.

(1 mark)

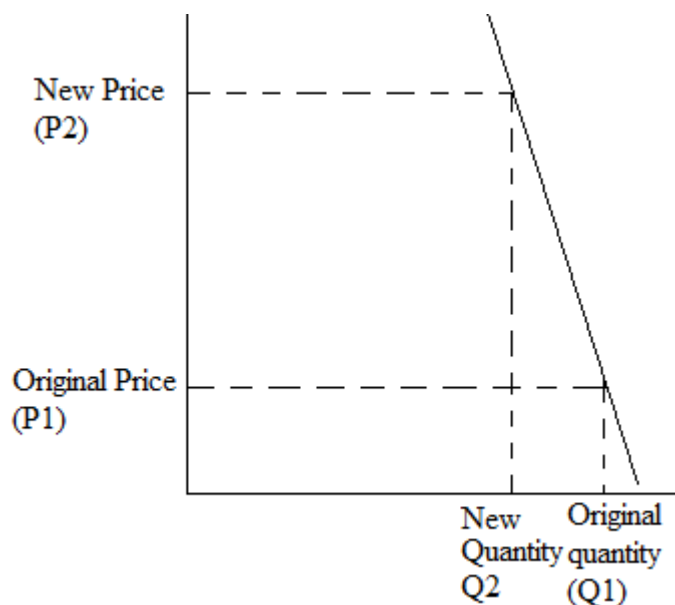
- (iii) Explain any **one** reason for your answer to **b (i)**.

(2 marks)

- (iv) Give any **one** effect of applying lime to **soil X**.

(2 marks)

b. Figure 1 shows elasticity of demand of a crop product. Study it and answer questions that follow



(i) Identify the type of degree of elasticity

_____ (1 mark)

(ii) Between maize and beef in Malawi, which of the two farm products have the type of elasticity as shown in the diagram

_____ (1 maize)

(iii) Give **two** reasons for the answer

(2 marks)

SECTION B (20 marks)

3. You are provided with samples labelled **Y** and **Z**.

- a. State the marketing function that has taken place to make sample **Y** in the current form.

_____ (1 mark)

- b. Explain any **one** importance of the marketing function named in (a).

_____ (2 marks)

- c. (i) Give any **three** problems of marketing sample labelled **Z**.

_____ (3 marks)

- d. Explain any **one** way mulching can improve production of specimen labelled **Z** in the field.

_____ (2 marks)

- e. Explain any **one** factor that would affect the demand of sample labelled **Y** in a market.

_____ (2 marks)

4. You are provided with the samples labelled **R**, **C** and **V**.

a. Classify the samples labelled **R** and **C** into two groups of livestock feeds.

Roughages	Concentrates

(2 marks)

b. Name the method of propagating samples **R** and **V**

(i) Method of propagating **R**_____ (1 mark)

(ii) Method of propagating **V**_____ (1 mark)

c. State any **two** advantages of the method of propagating sample **C**

(2 marks)

d. Draw sample **V** as a and label any **two** parts

(3 mark)

e. Mention any **one** way of conserving specimen **C** as feed for livestock during the dry season

_____ (1 mark)

END OF QUESTION PAPER

NB: This paper contains 7 pages