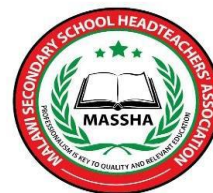


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**CENTRAL EAST EDUCATION DIVISION**  
**2024 MALAWI SCHOOL CERTIFICATE MOCK EXAMINATION**



# AGRICULTURE

**Monday, 11 March**

**Subject Number: M012/I**

**Time allowed: 1 ½ Hours**  
**10:00 am onwards**

## PAPER II

(40 marks)

### PRACTICAL

#### Instructions

1. This paper contains **7 printed pages**. Please check.
2. This paper has two sections **A** and **B**.
3. Follow instructions for each section
4. In the table provided on this page **tick** against the question number you have answered
5. Hand in your question paper to the invigilator when time is called to stop writing

#### IMPORTANT

6. Make sure you write your **Name** in the spaces provided on **all** the pages of this questions

Question Number	Tick if answered	Do not write in these columns	
1			
2			
3			
4			

paper before you start answering the

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**Turn over**

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**Section A (20 marks)**

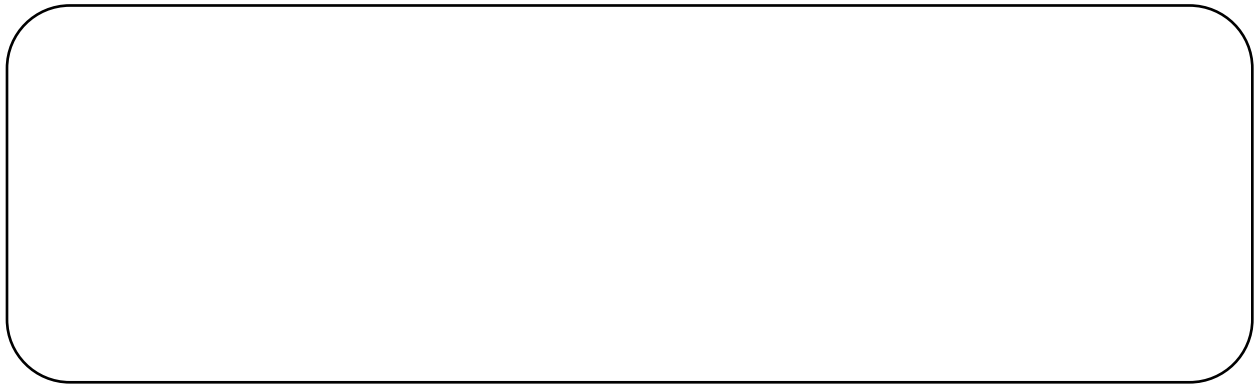
Instruction: Answer both questions in this section

1. A certain farmer kept the following record on his farm

- Bought cattle feeds at K100,000
- Paid for casual labour at K60,000
- Paid for drugs at K30,000
- Paid K60,000 for Khola rentals
- Sold 400 litres of milk to Zathu Dairy at K600 per litre

Calculate

a. Income for the farmer



**(2 marks)**

b. Gross margin



**(2 marks)**

c. Profit or loss

(2 marks)

d. Give any **two** pieces of advice to the farmer

(2 marks)

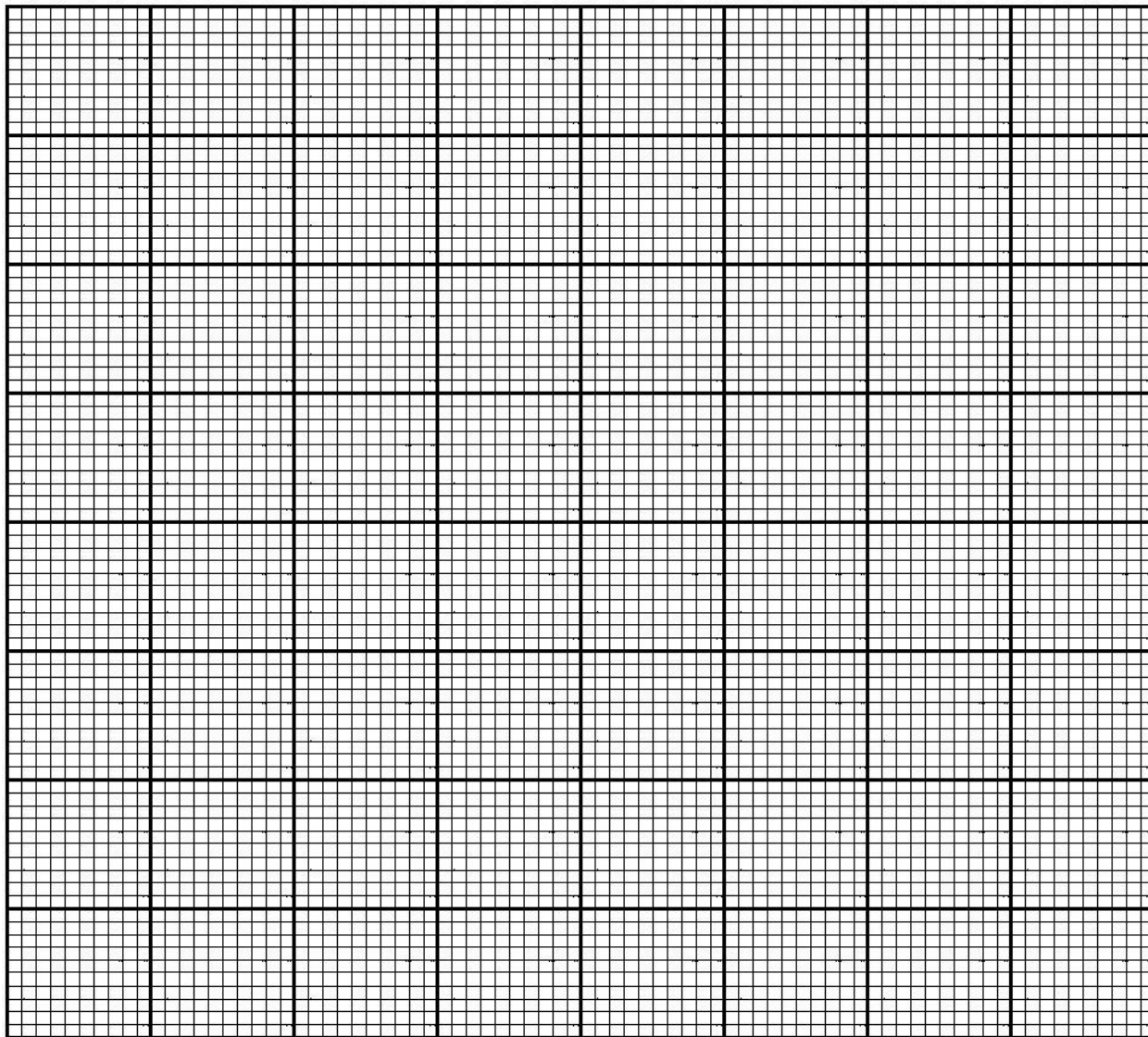
e. State any **two** ways in which keeping the record is important to the farmer

(2 marks)

2. The following table shows results of an experiment on effect of fertilizer rates on maize yield.

Fertilizers rate (kg/ha)	0	100	200	300	400	500	600
Yield (kg)	1000	1700	3000	5000	7000	7500	7600

- a. Plot the graph showing fertiliser rates and yield



(5 marks)

- b. Use the graph to find the best fertilizer rate that can be recommended for growing maize

\_\_\_\_\_

(1 mark)

c. Give a reason for the answer in **b**

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(2 marks)

d. State the economic principle which has been illustrated on the graph

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(1 mark)

e. Give any **one** way in which the principle mentioned in d is useful to farmers

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(1 mark)

### Section B (20 marks)

Instruction: Answer both questions in this section

3. You are provided with the following specimens **P** and **Q**.

a. Name the type of demand that specimen **Q** would attract on the market

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(1 mark)

b. A farmer grows specimen **P** and **Q** on the same farm in the same ridges.

(i) Name the type of enterprise combination

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(1 mark)

(ii) Explain any **two** ways in which the enterprise combination would ensure food security

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**(4 marks)**

c. Outline the processing activities that were followed to come up with specimen

**P** \_\_\_\_\_

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**(4 marks)**

4. You are provided with the following specimens representing agricultural products from a certain farm;

- Specimen W
- Specimen X
- Specimen Y
- Specimen Z

a. Identify the farming system on the farm

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**(1 mark)**

b. State any **two** limitations of the farming system

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**(2 marks)**

Name \_\_\_\_\_ School: \_\_\_\_\_

Page 7 of 7

M012/II

c. Explain any **two** ways in which the farming system can deal with climate change

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**(4 marks)**

d. State the main feed nutrient that is obtained by feeding sheep with specimen **Y**

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**(1 mark)**

a) Explain any **one** way in which feeding goats with specimen **W** is important

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**(2 marks)**

**END OF QUESTION PAPER**

**NB: This paper contains 7 pages.**