

Name of Candidate: \_\_\_\_\_ School Name \_\_\_\_\_

**CHIRADZULU DISTRICT**  
**2023 MSCE MOCK EXAMINATIONS**  
**AGRICULTURE**  
**(100 marks)**

Subject Number: M012/ I

Date: Monday, 20 March, 2023

Time Allowed: 2 hours(8:00-10:00am)

**PAPER I**

**Instructions**

1. This paper contains 10 printed pages.  
Please check.
2. This paper has **two** sections, **A** and **B**.  
section **A** has **seven** questions and section **B**, **three** questions.
3. Answer **all** questions in the spaces provided.
4. Write your **name** on **all** the pages.
5. In the table provided on this page, **tick** against the question number you have answered.
6. At the end of the examination, hand in your paper to the invigilator.

Question Number	Tick if answered	Do not write in these columns	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

## Section A (70 marks)

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

1. a. Give any **two** advantages of organic farming in regard to environmental conservation.

---

---

**(2 marks)**

- b.** State any **two** differences between marketing and trading.

---

---

---

---

**(2 marks)**

- c. Explain any **two** limitations of tractor power in farm mechanization.

---

---

---

---

---

---

---

---

**(4 marks)**

- 2. a.** Explain any **one** way in which rain water harvesting deals with climate change

---

---

---

---

**(2 marks)**

- b.** Explain any **one** reason for injecting piglets with iron at birth.

---

---

---

**(2 marks)**

- c.** Write down any **two** problems faced by a farmer who does not keep proper farm records.

(2 marks)

- 3. a.** Discuss any **one** disadvantage of extensive management of cattle.

---

---

---

**(2 marks)**

**M012/I**

- 
- 
- 
- 
- 
- 
- (5 marks)**

- 

**i.** Identify the two soil structures labelled **V** and **W**

**V:** \_\_\_\_\_ (1 mark)

**W:** \_\_\_\_\_ (1 mark)

- [illegible]

- 
- (2 marks)**

b. Discuss any **two** problems facing agricultural cooperatives in Malawi.

---

---

---

---

---

(4 marks)

c. A farmer observed the following signs of disease attack in sheep

- ❖ Swollen feet
- ❖ blisters/sores in the mouth and on the feet
- ❖ lameness and difficult in walking

i. Name the disease the sheep were suffering from

---

(1 mark)

ii. Mention causal organism for the disease the sheep were suffering from.

---

(1 mark)

iii. State any **two** ways of controlling the disease

---

---

---

(2 marks)

5. a. Define the term “Agro-based industries”

---

---

---

(1 mark)

b. Explain **one** way in which each of the following measures can help to conserve soil.

i. Construction of storm drains

---

---

---

(2 marks)

ii. Strip cropping

(2 marks)

c. Classify the following examples of farming systems into **intensive** and **extensive** types of farming systems: Ranching, Stall feeding, Crop rotation and Bush fallowing

Intensive	Extensive

(4 marks)

6. a. Workout the price elasticity of supply for beef if a price changes from K 3,500.00 to K 3,450.00 resulting into a change in the quantity of beef supplied from 1900 Kg to 1750 Kg.

(8 marks)

b. What type of price elasticity does the beef have?  
\_\_\_\_\_ (1 mark)

c. Explain the implication of the price elasticity of supply of the beef.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

7. a. Give any **two** advantages of bio-drainage.  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

b. Explain any **two** factors that affect the quality of hay and silage  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (4 marks)

c. **Figure 2** shows a diagram of management practice carried out in a cattle crush. Use it to answer the questions that follow:



Figure 2

i. Identify the livestock management practice.  
\_\_\_\_\_ (1 mark)

Name of Candidate: \_\_\_\_\_

**2023**

**Page 7 of 10**

**M012/I**

- ii.** Explain any **one** way in which the management practice can improve livestock production.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

- iii.** State any **two** disadvantages of the livestock management practice identified in (i) above.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

- iv.** Name any **two** cattle diseases that are not controlled through the above practice.

\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

**Name of Candidate:** \_\_\_\_\_

2023

Page 8 of 10

**M012/I**

### Section B (30 marks)

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

- 8. Discuss any five ways in which international trade in agricultural commodities is important.**

[illegible]





**Name of Candidate:** \_\_\_\_\_

2023

Page 10 of 10

**M012/I**

**10.** A farmer keeps local breeds of cattle and goats. He has the following resources and services at his disposal.

- ❖ large arable land
- ❖ dambo land
- ❖ a research station
- ❖ a veterinary station

Despite having these resources and services, he faces perpetual poverty and food insecurity. Explain how the farmer can use the resources and services to overcome the problems.

[illegible]

**END OF QUESTION PAPER**