

SCHOOL NAME: _____ EXAMINATION NO: _____



SOUTH EAST EDUCATION DIVISION

2025 MALAWI SCHOOL CERTIFICATE OF EDUCATION

MOCK EXAMINATION

AGRICULTURE

Subject Number: M012/I

Tuesday, 25th March

Time Allowed: 2 hours

8:00 – 10:00 am

PAPER I THEORY (100 marks)

Instructions

1. This paper contains 8 printed pages. Please check.
2. Fill in your **Examination Number** and **School Name** on top of each page.
3. This paper contains **two** sections, **A** and **B**. In **Section A** there are **ten** short answer questions while **Section B** has **three** restricted essay questions.
4. Answer all the **thirteen** questions in the spaces provided.
5. Use of electronic calculators is allowed.
6. The maximum number of marks for each answer is indicated against each question.
7. In the table provided on this page, **tick** against the number of question you have answered.

Question Number	Tick if answered	Do not write in these columns	
1			
2			
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9			
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12			
13			

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Turn over/...



Section A (70 marks)Answer **all** the questions in this section

1. a. Mention any **two** breeds of dairy cattle.
- _____ (2 marks)
- b. State any **two** qualities of a good breed of goat for meat production.
- _____ (2 marks)
- c. Mention any **two** signs of puberty in male animals.
- _____ (2 marks)
- d. Explain any **two** importance of steaming up in sheep production.
- _____ (4 marks)
2. a. State any **one** way in which the following factors helps in modifying soil temperatures.
- i. Vegetative cover _____ (1 mark)
- ii. Manure application _____ (1 mark)
- b. Describe any **two** management practices that promote mushroom fruiting.
- _____ (4 marks)
3. **Figure 1** is a diagram of a farm implement. Use it to answer the questions that follow.

**Figure 1**

Continued/...

a. State any **one** use of the farm implement.

_____ (1 mark)

b. What is the main source of energy for this farm implement

_____ (1 mark)

c. Mention any **two** factors to consider when mechanizing a farm.

_____ (2 marks)

4. a. Give any **two** ways in which soil salinity affects maize production.

_____ (2 marks)

b. Explain **one** effect of gypsum when it has been applied on saline soils as a way of managing salinity.

_____ (2 marks)

c. Explain any **two** nutritional importance of mangoes.

_____ (4 marks)

5. a. Mention any **two** examples of research services offered by Agricultural Development Agencies.

_____ (2 marks)

b. Explain any **two** ways of promoting food security through agricultural development agencies.

_____ (4 marks)

c. Give any **two** solutions to lack of capital in a cooperative.

_____ (2 marks)

Continued/...



6. The price of a tomatoes at a certain market changed from K100/kg to K120/kg resulting in a change in its quantity demanded from 1000kg to 800kg.
- a. Calculate the price elasticity of demand for the commodity.

(4marks)

- b. State the degree of price elasticity of demand for the commodity.

(2 marks)

- c. Give any **one** implication of the price elasticity of demand mentioned in **6(b)** on agricultural commodities.

(2 marks)

7. A dairy cattle farmer observed the following on some of livestock on the farm.

- Swollen of the vulva
- Yellowish brown discharge from the vulva
- Abortion

Use this information to answer the questions that follow.

- a. Name the disease that attacked the dairy cattle.

(1 mark)

- b. State any **one** cause of the disease.

(1 mark)

- c. State any **two** ways of controlling the disease.

(2 marks)

Continued/...



8. a. Figure 2 shows a cycle of activities for a cropping system. Use it to answer the questions that follow.

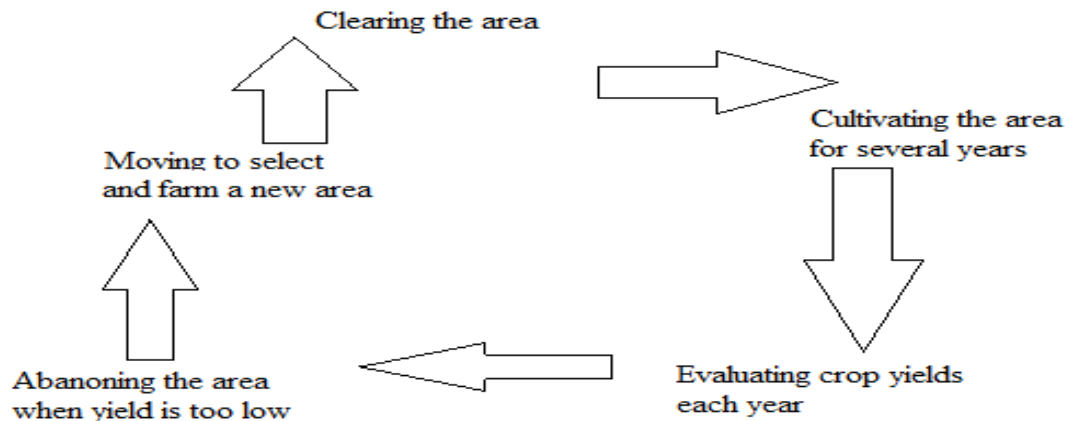


Figure 2

- i. Name the cropping system

_____ (1 mark)

- ii. Explain any **two** limitations of practicing the cropping system mentioned in 8(a).

 _____ (4 marks)

- b. State any **two** benefits of dehusking in maize processing.

 _____ (2 marks)

9. a. Explain any **two** effects of population distribution on marketing.

 _____ (4 marks)

- b. Identify the type of agricultural cooperative which performs the following functions.

- i. Buying farm inputs in bulks and selling them to its members at a subsidized price

- ii. Keeping farmers money and lending it to its members.

_____ (2 marks)

Continued/...

10. a. Explain any **two** advantages of bio-drainage.

 (4 marks)

b. Mention any **one** aim of crop improvement.

 (1mark)

c. Explain any **two** limitations of under sowing in pasture establishment.

(4 marks)

SECTION B (30 MARKS)

Answer all the three questions in this section. Your answers should be in an essay form.

11. Describe any **five** factors that can affect the seed rate of pasture.

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(10 marks)

12. Explain any **five** causes of gender biases in agricultural technology.

(10 marks)

Continued/...



13. Farmers in a certain area grow maize every year and they are privileged with the following resources.

- Soil testing unit
- Credit cooperative (SACCO)
- Extension officer nearby
- A big river running through their village

Despite having these resources they still face persistent hunger every year.

Explain any **five** ways in which these farmers can do to utilise the above resources which are available in their village to ensure food security.

(10 marks)

END OF QUESTION PAPER

NB: This paper contains 8 printed pages

