



EXAMINATION NO: _____

DESHA EXAMINATION BOARD

2024 MALAWI SCHOOL CERTIFICATE OF EDUCATION
MOCK EXAMINATION

AGRICULTURE

Monday 18th March, 2023

Subject Number: M012/I

Time allowed: 2 hours

8:00 – 10:00 am

PAPER I

(100 marks)

Theory

Instructions

- This paper contains 11 printed pages. Please check.
- This paper has two sections, **A** and **B**. Section **A** has ten questions and section **B** has three questions.
- Answer all questions in the spaces provided
- Write your **Examination Number** on all pages.
- 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			
11			
12			
13			

Turn over/....

1. a. State any two legume pastures.

- i. _____
ii. _____

(2 marks)

b. Complete the table below by filling in appropriate chemical to be used when controlling the following pests in a pasture.

Pest	Chemical
Grasshopper	
Aphid	

c. Explain any **one** importance of the following processes in making silage

(i) **Chopping**

(2 marks)

(ii) **Airtight sealing**

(2 marks)

(iii) Differentiate progeny testing from sib selection

(4 marks)

2. a. A farmer collected the following information at Zoya farm in December 2023

- 01/12/2023 – 10 kg of feed valued at MK100 000
- 10/12/2023 – 10 litres of vaccine valued at MK70 000
- 13/12/2023 – 2 sprayers valued at MK23 000
- 20/12/2023- 5 Cattle valued at K800 000
- 31/12/2023- 1 milking parlour valued at MK300 000

i. Prepare an inventory record

(6 marks)

b. State **three** steps involved when collecting an inventory record

- i. _____
 - ii. _____
 - iii. _____
-

(3 marks)

- c. Explain why changes in prices should be considered when deciding enterprise combination.

(2 marks)

3. a. State **two** forms of soil degradation

- i. _____
ii. _____

(2 marks)

- b. Explain any **two** biological measures of controlling soil degradation.

- i. _____

ii. _____

(4 marks)

4. Figure 1 is a diagram of a farm power. Use it to answer questions that follow



a. Identify the source of farm power

(1 mark)

b. Give any **two** disadvantages of a farm power mentioned above in 4. a.

i. _____

ii. _____

(2 marks)

c. Explain any **two** safety measures to be observed when carrying out an activity taking place in a figure shown above.

i. _____

ii. _____

(4 marks)

5. Mrs Chirwa has 2 hectares of land on which she grows maize. However, she wants to make the following changes:

- To apply 2 bags of CAN fertilizer instead of 5 bags per hectare at MK2 000 per bag
- To store maize in 100 sacks at MK20 each instead of storing in Nkhokwe,
- To sell 100 bags of maize at MK 1 500 per bag to Rab Processors Limited instead of MK900 per bag to Vendors.
- To spend MK1 000 instead of MK600 on Actellic
- To spend MK2 000 instead of MK 1 000 on casual labour.

a. Prepare a partial budget

(8 marks)

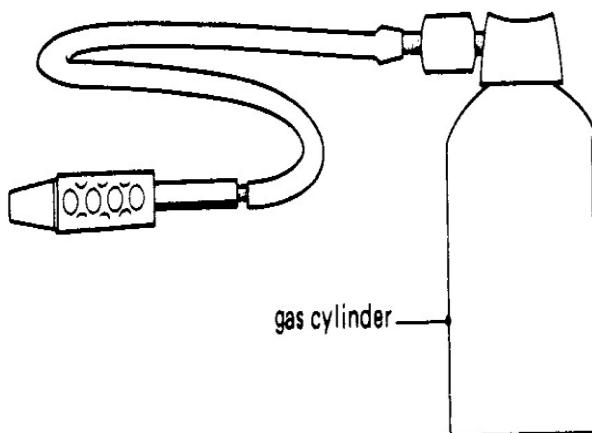
b. Should Mrs. Chirwa go ahead with her plan?

(1 mark)

c. Give a reason for your answer in 5.b.

(2 marks)

6. a. Figure 2 is a diagram of tool used in livestock management. Use it to answer questions that follow.



i. Name the tool.

(1 mark)

ii. Explain any **two** importance of livestock husbandry practice that requires the usage of a tool shown above.

i. _____

(2 marks)

ii. _____

(2 marks)

b. Give any **one** way of controlling milk fever in dairy cattle.

(1 mark)

7. a. Mention any **two** requirements for mushroom production

- i. _____
ii. _____

(2 marks)

b. Give any **two** economical values of mango production

- i. _____
ii. _____

(2 marks)

c. Describe the following stages in processing mango products

i. **Pulping**

(2 marks)

ii. **Sterilization**

(2 marks)

8. Many smallholder farmers sow pumpkin seed when tobacco is almost ready for harvesting. Use the information to answer questions that follow:

a. Name the cropping system practiced above.

(1 mark)

b. Give any **two** limitations of the cropping system mentioned above.

- i. _____

- ii. _____

(2 marks)

9. a. Give any **two** factors that make agricultural cooperatives succeed.

- i. _____

- ii. _____

(2 marks)

b. State any **two** examples of surface land drainage.

i. _____

ii. _____

(2 marks)

10.a. Mention any **two** causes of gender bias in agricultural production.

i. _____

ii. _____

(2 marks)

b. Explain how temperature modification technology improves food security.

(2 marks)

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SECTION B (30 marks)

Answer all the **three** questions in this section

11. Explain any **five** factors to consider when feeding animals.

10 marks

12. Draw and label any five parts of the reproductive system of a cock and state their functions

(10 marks)

13. Explain any **five** effects of population distribution on agricultural marketing.

10 Marks

END OF QUESTION PAPER

NB: This paper contains 11 printed pages