



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 I these columns	
1			
2			
3			
4			
5			
6			
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8			
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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)

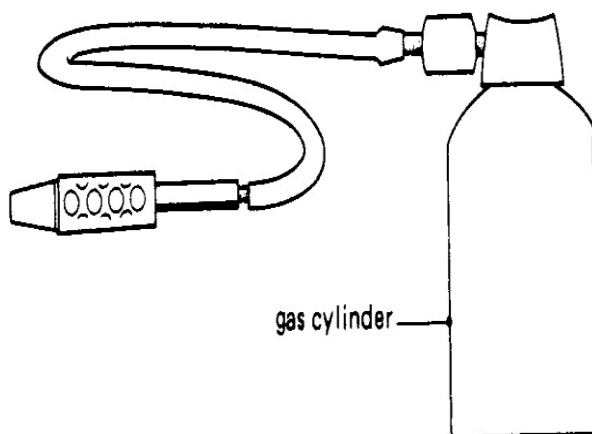
b. Should Mrs. Chirwa go ahead with her plan?

(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)

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

[illegible]

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

(10 marks)

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END OF QUESTION PAPER

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