



SHIRE HIGHLANDS EDUCATION DIVISION

2024 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION

AGRICULTURE

Subject Number: M012/II

Monday, 12th March

Time Allowed: 1 hr 30min sessions

10:00am onwards

PAPER II (40 marks)

Instructions

1. This paper contains 6 printed pages. Please check.
2. This paper has two sections A and B. Section A has two questions and section B has two questions.
3. Answer all questions in the spaces provided.
4. Write your school name and examination number in the spaces provided.
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			

Section A (20 marks)**Answer all questions in this section**

1. Describe an experiment that can be conducted to determine soil salinity given the following materials: salinity meter, soil sample, distilled water, barium sulphate powder and one test tube and cork stopper. In your description include procedure and expected results

Procedure

(8 marks)**Expected results**

(2 marks)

2. a. **Table 1** shows a record kept on the farm

Table 1

Ewe number/ Name				
Service period	Pregnancy test results	Lambing date	Number of lambs born	Remarks
10/07/2021	Positive	09/01/2022	2	Good health

- (i) Identify the type of production record represented in **table1**

(1mark)

- (ii) State any other **two** types of production record.

(2 marks)

- (iii) Give any **two** ways in which the record named in 2a(i) is important.

(2marks)

b. **Figure 1** is an example of a farm machinery. Use it to answer questions that follow

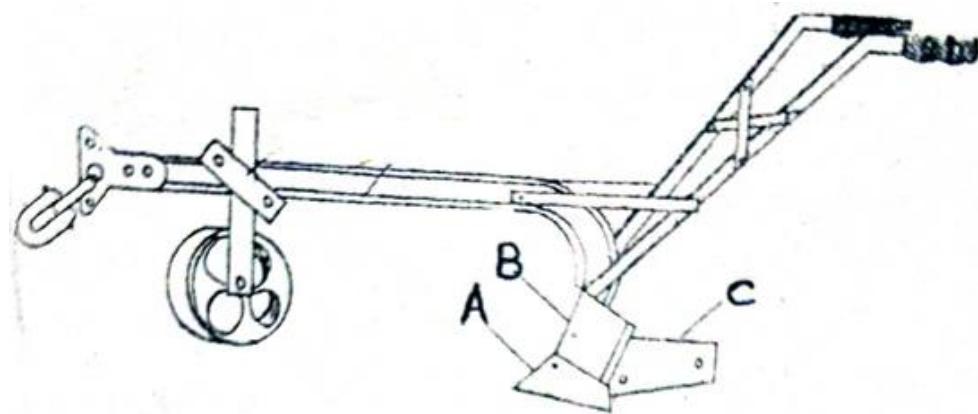


Figure 1

(i) State one use of the farm implement

(1 mark)

(ii) Identify parts **B** and **C**

B _____

C _____

(2 marks)

(iii) State any **one** way of maintaining part labeled **A**

(1 mark)

(iv) Give any **one** safety measure which should be observed when handling the farm implement.

(1 mark)

Section B (20 marks)**Answer all questions in the section**

3. You are provided with the following specimens labelled **S** and **T**. Use them to answer the questions that follow.

a.(i) State two processing activities that were performed to obtain specimen **S**.

(1 mark)

(ii) Give two advantages of performing the activities named in 3(a) (i)

(1 mark)

b. (i) Name the class of livestock feed to which specimen **T** belong.

(1 mark)

(ii) Mention **one** major nutrient that can be obtained from specimen **S**.

(1 mark)

c. A farmer grows specimen **S** and **T** in the same field.

(i) Identify the type of enterprise combination used

(1 mark)

(ii) Give one reason for the answer to 3c(i)

(2 marks)

d. State **one** way in which growing of specimen **T** would support the growing population

(2marks)

4. You are provided with the following materials:

- Specimen M and N
- Knife

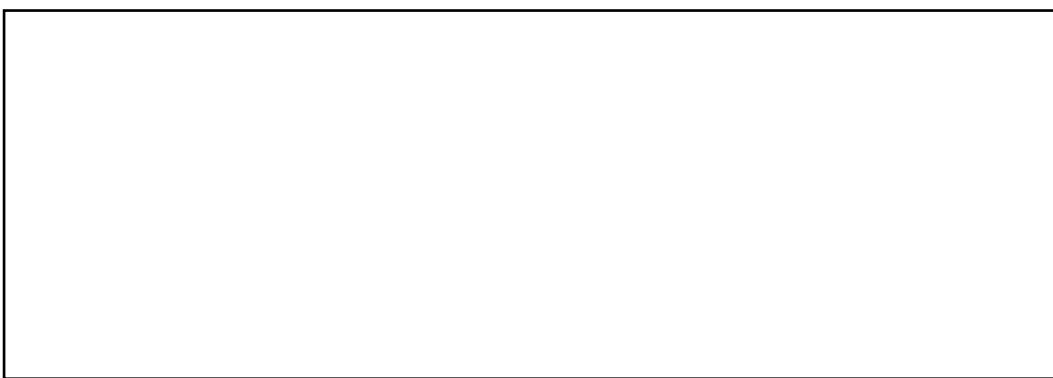
Use the materials to answer the questions that follow.

a. Identify planting material “M”

(1 marks)

Prepare specimen N as a substrate for mushroom production.

b. Draw the prepared substrate.



(2 marks)

c. Explain two importance of using prepared specimen N as substrate for mushroom production?

(2 marks)

d. State any three disadvantages of using planting materials to establish new plants.

(2 marks)

END OF QUESTION PAPER