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PRINCIPLES AND
PRACTICES OF
AGRICULTURE
PRACTICAL
Paper 2
July / AUGUST, 2023
2 ½ hours



JINJA JOINT EXAMINATIONS BOARD

Uganda Certificate of Education
MOCK EXAMINATIONS – JULY / AUGUST, 2023
PRINCIPLES AND PRACTICES OF AGRICULTURE
PRACTICAL
Paper 2
2 ½ hours

INSTRUCTIONS:

Answer ALL questions

Read the questions carefully

Answers are to be written in ink in the spaces provided

For Examiners Use Only

Questions	Marks
1	
2	
3	
4	
5	
Total	

1. Specimens L1 and L2 are soil samples. Carry out experiments on the specimens and record the results in the table below.

a). Put 2 spatula of L1 in a dry boiling test tube; heat it strongly for 5 minutes while shaking, record your observations and deduction in the table below. Repeat the procedure using L2. (4marks)

SAMPLE	OBSERVATION	DEDUCTION
L1		
L2		

b). What was the experiment about?

(1mark)

c). Give the importance of one the soil components being investigated in 1(a).

(4marks)

d). Basing on the experiment, which of the soil samples, is suitable for farming and why? (1mark)

Soil sample:

Reason:

2. Specimens B1 and B2 are field crop weeds. Carefully examine them and answer the questions below:

a). Give the common and scientific names of B1 and B2 and state the propagation method of each in the table below. (3marks)

Specimen	Common Name	Scientific Name	Propagation method
B1			
B2			

b). Basing on the observable features on specimens B1 and B2, give any two reasons in each case that make the specimens very difficult to control. (2marks)

i). Specimen B1

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ii) Specimen B2

(2marks)

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c). How would you effectively control specimen B2 from farm land?

(3marks)

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3. Specimens H and I are used in the construction of a farm structure. Observe them and answer the questions below:

a). What features do the two specimens have in common?

(1mark)

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b). What is the importance of the features you have named in 3(a)?

(2marks)

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c). Name the farm structure in which the specimens H and I are used.

(1mark)

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d). Give six uses to the farmer of the farm structure named in 3 (c).

(6marks)

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4. You are provided with specimens Q1 and Q2 which are parts of farm animals.
- a). From which body system of the farm animals were the specimens obtained? (2marks)
- Q1
- Q2
- b). Name the farm animal from which each specimen was obtained (2marks)
- Q1
- Q2
- c). Observe the specimens carefully and describe the appearance of the internal structure and the contents of each of them. (6marks)

Specimens	Description of the internal structure and contents	
	Internal structure	Contents
Q1		
Q2		

5. Specimen S is a component of a part of a tractor system.
- a). Name the system to which the specimen belongs. (1mark)

b) In which type of tractor engine is it necessary?

(1mark)

c) State the function of specimen S in the tractor.

(1mark)

d) Mention the factors that may affect the working efficiency of specimen S.

(5marks)

e) How would you care and service specimen S to ensure it performs efficiently?

(2marks)

Prachy
Monday 4/8

1 20 g g dry lean soil in appetri dish h1
20 g g dry sandy soil in " " h2

14/7/

② Wandering jess labeled B1
" " " B2
" Spear grass

③ low fertile barbed wire H
high fertile barbed wire T

4 freshly cut open grass with its content Q1
freshly abraded Runer with its content Q2

④ Spent phy S
2 beef fat tubes
3 spatula
some of beef

~~100~~
16000
15000

10000 5000
15000
18000

33000

25000
18000

43000