

Name.....Signature.....



**BUSIIKA MUSLIM SECONDARY SCHOOL**  
**UGANDA CERTIFICATE OF LOWER SECONDARY EDUCATION**  
**MID TERM 3 ASSESSMENT 2023**  
**PRINCIPLES AND PRACTICES OF AGRICULTURE**  
**(THEORY )**

**S.3**

**Paper 1**

**2HOURS**

**INSTRUCTIONS FOR THE CANDIDATE**

1. Answer all questions in section A and B

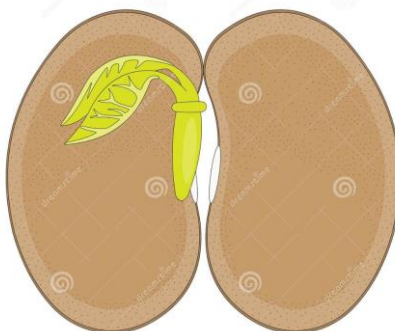
<b>For Examiner's Use Only</b>			
<b>Part</b>	<b>Question</b>	<b>Marks</b>	<b>Examiner's Signature &amp; No</b>
<b>A</b>	<b>No. 1-5</b>		
<b>B</b>	<b>No.</b>		
	<b>No.</b>		
	<b>No.</b>		
	<b>No.</b>		
<b>TOTAL</b>			



**INSPIRE TO EXCEL**

## SECTION A

1. The diagram below shows part of plant of a dicotyledonous seed.



- a) Label the following parts of the seed on the diagram. Micropyle ,Radicle, Plumule (03 marks)

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- (b). Describe the role of each part in the digestive system:

Micropyle.....

.....(02 marks)

Plumule.....

.....(02 marks)

- (c). Suggest the qualities of good seed for planting.

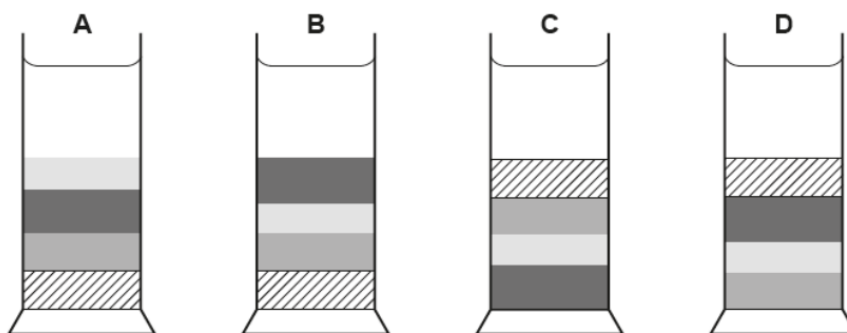
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.....(03marks)

- 2(a) A student was testing a sample of soil. The sample of soil was mixed, shaken with water and allowed to settle in a measuring cylinder. The particles settle according to their size. The largest particles settle at the bottom. One of the diagrams, A to D, shows the correct result of this test.



### Key

	water
	silt
	clay
	sand
	small stones



(i). Which diagram shows particles in correct order?

Answer A, B, C or D.....

(ii) Describe the practices that can be used to improve soil and crop growth.  
(05 marks)

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(iii) Suggest three materials required when improving soil and crop growth  
(03 marks)

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3a. As part of cereal growing involves harvesting and storage such granary.



a) Identify the above structure (01 mark)

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**INSPIRE TO EXCEL**

b) Describe the qualities of a good crop store produce. (04 marks)

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b). Suggest two measures of handling cereals at harvest and post-harvest.  
(02 marks)

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c). State the possible methods of testing moisture content in cereals. (04 marks)

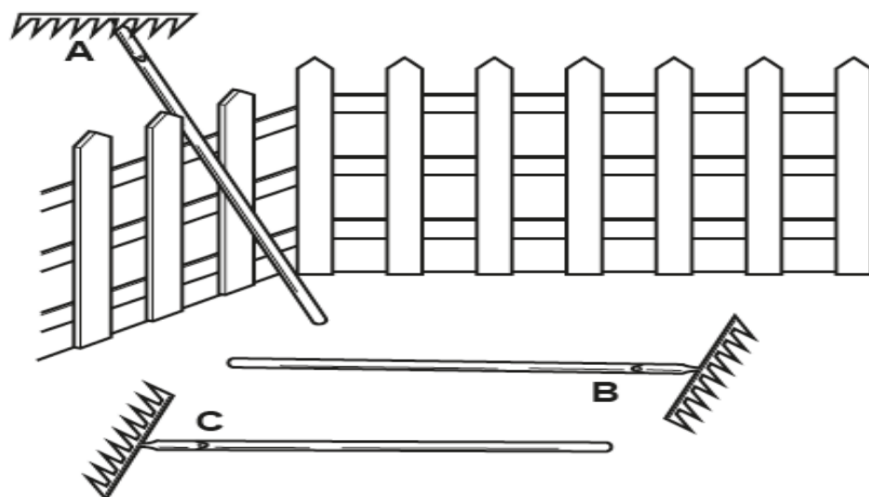
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4. (a) The diagram shows three different positions A, to C, where a rake has been placed after being used.



Use the letter A, B or C to identify a position. Suggest the possible accident that could occur as the result of leaving the rake in this position.

Rake position.....(02 marks)

Accident.....(02 marks)

(b).(i) Describe one reason to use a rake for cultivation. Describe one to maintain a rake after use.

Reason.....  
.....(01 mark)

Way to maintain.....  
.....  
.....(02 marks)

5. Kakembo collected information on animal care practices as shown in the table below. Complete the table in blank columns.  
(10 marks)

Care practice	When is it done	Why is it done	How it is done.
Selecting breed to rear			
Dosing with medicines			
Vaccination			



Grooming			
Cleaning animal quarters			
Identification			
Castration			

### SECTION B

6.a) Farmers of Koboko carried out various investigations on soil and discovered the following organisms. As student identify the organisms.



A



B



C



D



E



A.....B.....C.....  
 D.....E.....(05marks))

a)Identify the mode of weathering illustrated above by the organisms.

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b) Why are soil living organisms important in farming (04 marks)

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c)Which human activities destroy living organism in the soil.(04 marks)

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d)Suggest ways of how you can increase the number of living organism in the soil. **(2 Marks)**

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7.(a) Complete the table on tools used to keep animals in a healthy state.

(20 marks)

<b>Tool</b>	<b>Name</b>	<b>Use</b>	<b>How it is used</b>	<b>When it is used</b>
Rope				



Brush				
Branding iron				
Ear tag				
Drenching gun				

**\*\*\*\*END\*\*\*\***

