

**KIYALA HIGH SCHOOL**  
**MID TERM TWO ASSESSMENT TEST 2024**  
**PRINCIPLES AND PRACTICES OF AGRICULTURE**  
**(THEORY) S.2**

**Time: 2 Hours**

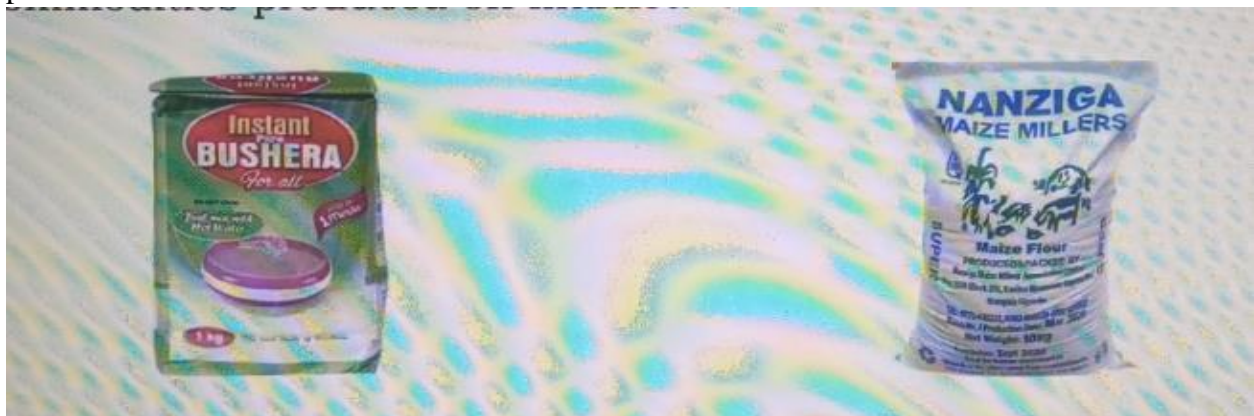
**INSTRUCTIONS;**

- Answer all *items* in section **A** and **B**

**SECTION A**

**Item 1**

Musisi is a dealer in processing cereal commodities. The pictures below are the commodities produced on market.



**a).** As a young farmer explore the importance of cereals as a commodity

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..... (04 scores)

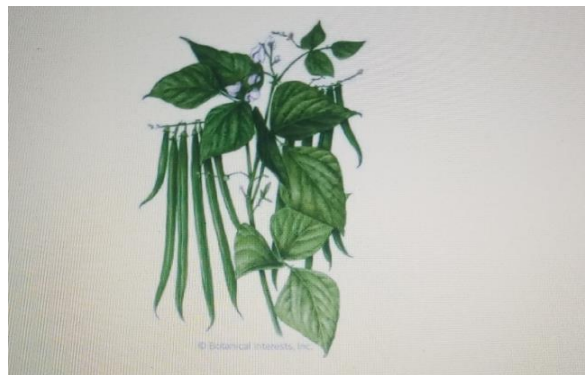
**b).** Complete the table provided.

**(06 scores)**

Cereal product	Product obtained from the cereal
Flour	
Maize on cobs	

## **Item 2**

The picture below shows a structure of legume plant. Study it and answer the activities that follow.



**a).** Identify the parts.

**(04 scores)**

**A.** .....

**B.** .....

**C.** .....

**D.** .....

**b).** Discuss the function of each part labelled.

**(04 scores)**

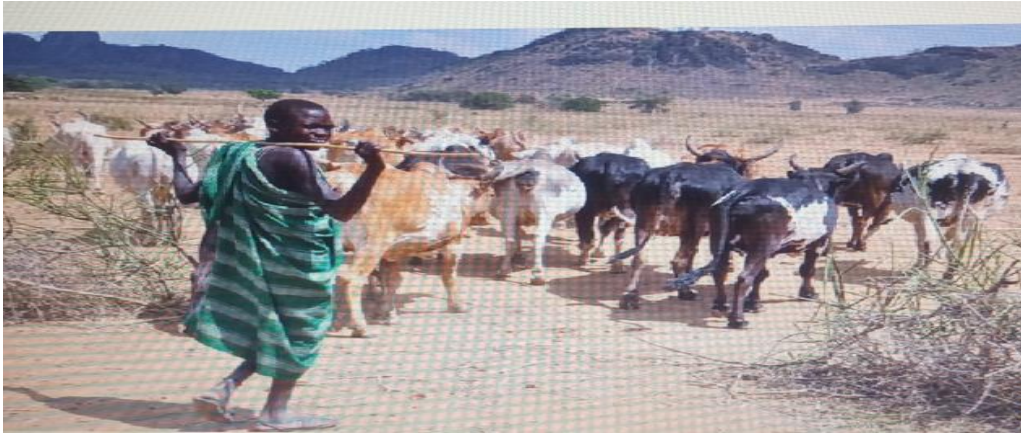
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### **Item 3**

The picture below shows a system of animal rearing. Study it and answer the activities that follow.



**a).** Identify the system of grazing above. **(02 scores)**

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**b).** Brainstorm the areas that practice the above mentioned system. **(02 scores)**

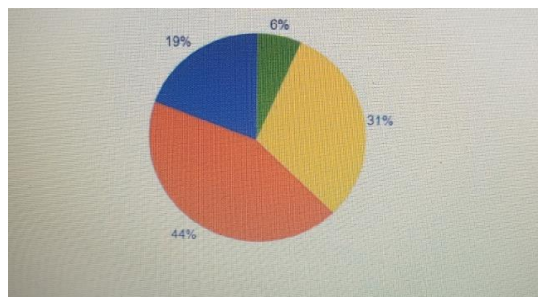
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## **SECTION B**

### **Item 4**

**a)** The pie chart below shows the relative proportions of the main components of soil. Choose words from the list to label the pie chart. Mineral, Bedrock, Organic matter, Salt, Pore, Rock particles, Water, Air



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 ..... (1 score)

**b)** A sample of dry soil was passed through soil sieves. The results are shown below:

Particle type	Mass /g	Percentage (%) mass
Sand	22.8	
Silt	10.4	
Clay	6.8	17
<b>Total mass</b>		

**i).** Calculate the total mass of the dry soil sample. Show your working. (1 score)

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**ii)** Complete the table above to show the percentages of sand and silt as components of the sample. Show your working and reason for each step. (2 scores)

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**c)** The percentage (%) organic matter is a useful measure of a soil's quality. Suggest the key procedure you can use to measure the percentage (%) organic matter present in a fresh soil sample. (2 scores)

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### **Item 5**

**a)** Oranges are an important perennial crop grown in Kumi and Kasese districts. These crops are among the perennial grown in Uganda. With reasons, sort out crops that belong to perennials from; guava, beans, mango, pumpkin, apple, passion fruit, avocado, Onion, and cocoa. **(2 scores)**



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**b)** Orange trees like all crops are affected by biotic factors. When you visit the garden, you find that the orange plants intercropped with pumpkin with such conditions as below. What advice can the farmer use to earn from such crops?

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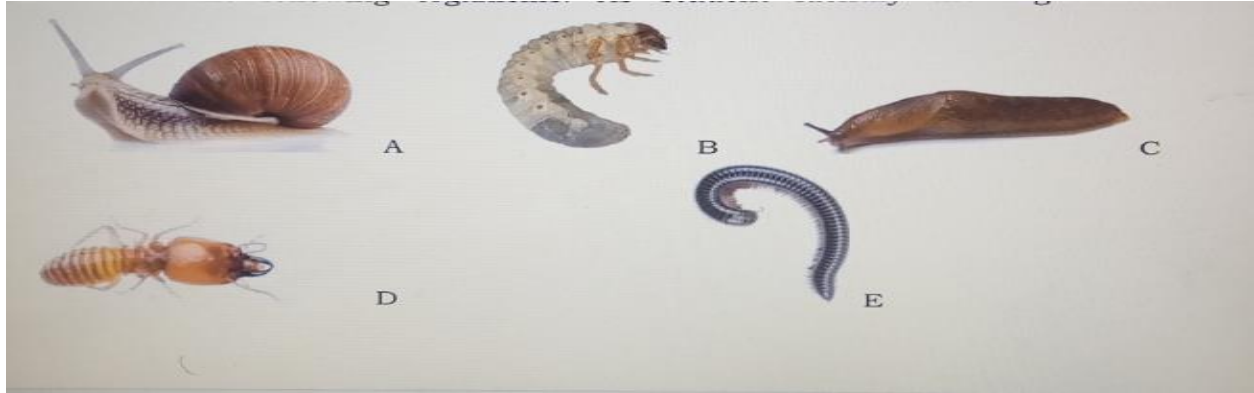
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**(02 scores)**

## SECTION C

### **Item 6**

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



A.....B.....C.....

D.....E..... (05 scores)

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

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b) Why is soil living organisms important in farming? (04 scores)

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

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

(2 scores)

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### **Item 7**

Individually, redraw the table below by matching tools “A” with the care that should be given to them “B”, to ensure safety and good health when carrying out agricultural practices. *(09 scores)*

<b>Tool or Equipment “A”</b>	<b>Care given “B”</b>
Spraying equipment	Keep tyre firmly fixed
Hand hoe	Keep in tool box
Wheel barrow	Clean and dry in sun after use
Milking bucket	Keep out of reach of children
Slasher	Keep blade sharpened
Thermometer	Keep all connections firmly fixed
Screw driver	Clean off soil and store after use
Syringe and needle	Clean and sterilize before use
Plough	Keep bolts and nuts fastened

<b>Tool or equipment “A”</b>	<b>Care given “B”</b>
Spraying equipment	
Hand hoe	
Wheel barrow	
Milking bucket	
Slasher	
Thermometer	
Screw driver	
Syringe and needle	
Plough	

**SUCCESS**