

NAME: _____ STREAM: _____

553/1

BIOLOGY

(Theory)

Paper 1

2 hours



Uganda Certificate Of Lower Secondary Education

S.2 ASSESSMENT SET ONE

Biology Theory

Paper One

INSTRUCTIONS

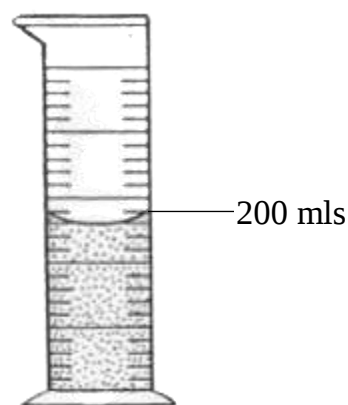
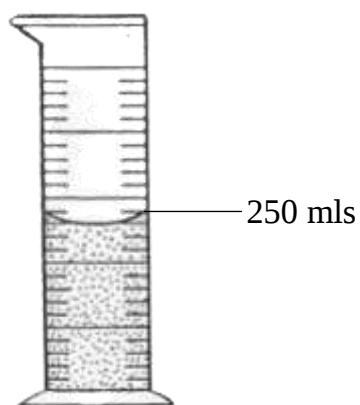
✓ Attempt **all** questions in section **A** and any **one** question from section **B**

SECTION A

- 1) In Uganda, viral infections are very common and deadly, the ministry of health has come up with a campaign to stop these viral infections and diseases in the country. The campaign is to full educate all people in Uganda from young to old on the preventive measures of viral infections. As a knowledgeable expert, write to the ministry of health about the preventive measures of the chronic viral infection of Ebola, cholera which have become prominent. Also include the preventive measures for “Red eyes” disease that has spread to the public including schools by completing the table below.

Disease/Infection	Preventive measures
Ebola	
Cholera	
Red Eye	

- 2) During an experiment to investigate a certain property of soil, the S.2 learners carried out the following procedures
- ✓ Weighed soil – 100g
 - ✓ Measure water – 150ml
 - ✓ Placed both in the same measuring cylinder and recorded their total volume
 - ✓ Stirred the mixture and then recorded the total volume again



At the start of the experiment

At the end of the experiment

As a student of biology, identify the soil property that was being investigated and use the above results to work out the percentage of the property.

This image shows a full page of white paper with horizontal dotted lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- 3) During the harvest money expo, farmers travelled from different parts of the country to attend the event. One of the lead facilitators in his speech encouraged farmers that it is of great importance to know the soil components of air, water and humus contents in the soil and also emphasized that these properties contribute a lot to the good crop yields. One farmer Mr. Magambo who came late did not know how those soil components contribute to high yields, so he requested his neighbour Noah who has been present as the facilitator was elaborating to help him understand that area. If you were Noah, write a letter to Mr. Magambo explaining to him how the above soil component contributes to the high crop yields.

Support materials



.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[illegible]

4) Carefully study the following images of different methods of controlling soil erosion



Identify each method and describe how it controls soil erosion

image	method	How it controls erosion
A		
B		
C		
D		

SECTION B

- 5) In western Uganda bee keeping is a profitable business and many members have engaged in it including those from other parts of the country. In the letter, explain how bee keeping is beneficial to the farmers.



- 6) The people of the community in a certain district grow crops like beans, maize, potatoes, and cassava to earn a living. as a student of biology, write a poem explaining how individuals earn a living from growing crops



END