

Name.....

Sign

Random No.						Personal No.		

(Do not write your school/Centre Name or Number anywhere on this booklet)

553/2
BIOLOGY
Paper 2
1st/Aug 2024
2½ hours



BUSOGA REGION JOINT EXAMINATION BOARD

Uganda Certificate of Education

BIOLOGY

Paper 2

2 Hours: 30 Minutes

INSTRUCTIONS TO CANDIDATES:

This paper consists of two examination items. Answer all the items in the spaces provided.

Drawing should be made in the spaces provided. Use sharp pencils for your drawing. Colored pencils or crayons should not be used.

No additional sheets of writing paper are to be inserted in the booklet.

Work on additional sheets will not be scored.

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TURN OVER

Item 1.
Two women in Iganga central market run independent glossaries which sell Irish potatoes. The glossaries are marked **K** and **L**. In a way of attracting their customers, they peel for them the Irish potatoes and sprinkle the water on them to ensure that they are fresh

The woman from glossary **K** uses water from which sample **P** was drawn while the other from **L** uses water from sample **Q**.

The woman from glossary **K** uses water from which sample **P** was drawn while the other from **L** uses water from sample **Q**.

You are provided with specimen labeled M, two water samples P and Q and corkborer.

Carry out investigations on specimens M and water sample P and Q, to advise the women on the ways of ensuring that their Irish potatoes are fresh to prevent losses.

Carry out investigations on specimens M and water sample P and Q, to advise the women on the ways of ensuring that their Irish potatoes are fresh to prevent losses.

[illegible]

Item 2

A slum area in the suburb of Kampala city is surrounded by many rubbish heaps together with poorly disposed human faeces. Inhabitants of the area freely eat uncovered cold food. Recently the city health team declared an outbreak of cholera in this area after a few deaths registered. The health team observed and collected a sample of organisms labeled W and X from this area in relation to the outbreak and taken to Mulago hospital for analysis.

Task

- a) (i) With reasons identify the specimens responsible for the outbreak of the disease.

(ii) How is the indentified specimen in a (i) above adopted for causing the disease in the area.

(b) Draw and label the head of a specimen X.

END