

NAME: **SIGNATURE**

553/1
BIOLOGY
APRIL/MAY 2025
1Hr 50mins

UGANDA CERTIFICATE OF EDUCATION
BIOLOGY
Paper 1
END OF FIRST TERM
SENIOR ONE
1hours 50 minutes

INSTRUCTIONS TO CANDIDATES:

☐ *This paper consists of **two compulsory** examination items. All items carry equal scores
Answer **all** the items in the spaces provided.*

☐ *Drawings should be made in the spaces provided. Use **sharp pencils** for your drawings.
Coloured pencils or crayons should **NOT** be used.*

☐ *No additional sheets of writing paper are to be inserted in the booklet.
Read and understand the scenario and interpret the task carefully*

FOR EXAMINERS USE ONLY

ITEM	SCORES	COMMENT
1		
2		

ITEM 1

Cypriano health medical care admitted patients with the following complications.

John had heart diseases (cardiovascular diseases)

Emma had stomach ulcers

Alice had an accident with injured kidney and bleeding excessively

Christine with breathing difficulty

a) As a biology student, explain the roles of the body systems affected in each of the individuals

<i>Individuals (patient)</i>	<i>System</i>	<i>Function</i>
<i>Christine</i>		
<i>Alice</i>		
<i>Emma</i>		

<i>John</i>		

b) according to the health conditions of the patients, explain which of the patients would need a very immediate medical attention.

c) explain the effects of the conditions to the normal functioning of the systems.

John

Christine

ITEM 2

Biology is applied in our daily activities such as bathing, brushing, feeding, planting of trees. These activities support life processes and improve on the quality of life. As a science subject, biology is applied into various fields that include; medical health and treatment, conservation of the natural resources in the environment, food and nutrition and other fields that include education and research.

TASK

As a biology student, explain how different daily activities enable one to improve on the quality of life.

i. Bathing

ii. Brushing

iii. Feeding

iv. Planting trees

Explain how biology is applied according to the scenario.

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END

Life is a chemical reaction and we are the catalyst