

Candidates Name: .....

Signature: .....

Random No.						Personal No.		

*(Do not write your School/ Centre Name or Number anywhere on this Booklet.)*

553/2  
**BIOLOGY**  
**Paper 2**  
**2024**  
2½ hours



**WAKISO – KAMPALA TEACHERS' ASSOCIATION (WAKATA)**

**WAKATA PRE-MOCK EXAMINATIONS 2024**

**Uganda Certificate of Education**

**BIOLOGY**

**Paper 2**  
**Practical**

2 hours 30 minutes

### **INSTRUCTIONS TO CANDIDATES:**

*This paper consists of **two** examination items. 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.*

*Work on additional sheets will **not** be scored.*

**Item 1:**

John's friend expressed doubts about the health benefits of Sample **B**.

### Task:

Conduct experiments to analyze the nutrient content and potential health benefits of Sample **B**. Evaluate its nutritional composition, focusing on vitamins, minerals, and antioxidants present in the sample. Based on your findings, provide recommendations to John regarding the suitability of including Sample **B** in his diet.

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.

This image shows a full page of a document template designed for handwriting practice or general note-taking. It consists of a series of evenly spaced, horizontal dotted lines extending across the width of the page. The lines are light gray and provide a guide for letter height and placement. There are no margins, headers, footers, or other markings present on the page.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.

**Item 2:**

A farmer was devastated to find most of his maize plantation destroyed. Determined to uncover the cause of the damage, he collected three specimens labeled **A**, **B**, and **C** from the affected area.

### Task:

- (a) (i) Describe how the features of each organism enable them to survive in the garden.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

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[illegible]

- (b) In the space provided, create a labeled drawing showing the dorsal view of specimen A. Don't forget to indicate your magnification.