

Name: ..... Index No.....

School: ..... Signature: .....

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



## **WAKISSHA JOINT MOCK EXAMINATIONS**

**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.**

been feeding the child on.

### Task:

**Task:** Carry out investigations on the food samples P and Q and use findings to advise Joan.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



**Item 2.**

Many farmers in Busingo Subcounty usually find some of their crops destroyed by some organisms.

Specimens **J, K, L** and **M** are some of the organisms that were collected from within and outside the gardens.

**Task**

- (a) Identify with reasons the organism most likely to destroy the farmer's crops.

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- (b) How can the collected organisms be identified using a dichotomous key.

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**Turn Over**

- (c) Draw and label the leg of specimen L.

**END**

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BIOLOGY  
PRACTICAL  
INSTRUCTIONS  
2024**



**WAKISSHA JOINT MOCK EXAMINATIONS**

**Uganda Certificate of Education**

**BIOLOGY PRACTICAL INSTRUCTIONS**

**553/2 Ins. Sch**

***CONFIDENTIAL***

**This information is given only to facilitate preparation of examination.**

**Great care should be taken that the information given below does not reach the candidates either directly or indirectly.**

**INSTRUCTIONS FOR PREPARING SPECIMENS AND APPARATUS:**

The teacher responsible for preparing specimens must ensure that candidates are provided with correct specimens and other materials as specified in these instructions. Specimens and solutions which have been assigned codes should be presented to candidates using those **codes only** and not any other identity. The head teacher **must** ensure that the teacher responsible for preparing the specimens hands in his / her trial results for physiology/biochemistry question, properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' scripts envelope(s).

**Each candidate should be provided with;**

20 cm<sup>3</sup> of solution **P** (mixture of 1% starch solution and 1% glucose solution.)

20 cm<sup>3</sup> of solution **Q** (1% starch solution)

Reagents for food tests

Source of heat

6 test tubes

**A freshly killed mature;**

- Cockroach, labeled **J**
- Soldier termite, labeled **K**
- Housefly, labeled **L**
- Worker bee, labeled **M**
- Hand lens.