

**553/3**  
**BIOLOGY**  
**PRACTICAL**  
**Paper 3**  
**Confidential**  
**July / Aug 2022**



**KAMPALA WAKISO GIANT SCHOOLS' ASSOCIATION (KWGSA)**

National Joint Mock Examination 2022

**Uganda Certificate of Education**

**BIOLOGY PRACTICAL**

**Confidential Instructions**

Paper 3

Confidential

**INSTRUCTIONS**

*This work must be kept Secret from candidates that will sit for this examination*

**In addition to the fittings and chemicals present in the biology laboratory at your school, each candidate must be provided with the following;**

A piece of fresh liver labeled **T**

10cm<sup>3</sup> of 10% hydrogen peroxide solution.

A motor and a pestle.

3 strips of blue and red litmus paper.

20cm<sup>3</sup> of **2M** hydrochloric acid labeled **A**.

20cm<sup>3</sup> of **2M** sodium hydroxide solution labeled **B**.

Bryophyllum leaf with all features intact labeled **K**.

Carrot tuber labeled **L**.

Ginger tuber labeled **M**.

One onion bulb labeled **N**.

1 gill from a fresh Tilapia fish labeled **X**.

1 incisor tooth from a mammal labeled **Y**.

1 molar tooth from a mammal labeled **Z**.

6 test tubes.

Labels.

Thread.

Access to;

- Distilled water.
- Common reagents for carrying out food tests.
- Heat source.
- Knife.

**Note:**

Specimens **Y** and **Z** must be got from the same animal.