

545/2  
**CHEMISTRY**  
**Paper 2**  
**November 2023**  
**2 hours**



**WAKISSHA JOINT EXAMINATIONS**

**End of Year Assessment**

**SENIOR THREE**

**CHEMISTRY PRACTICAL**

**Paper 2**

**2 hours**

**INSTRUCTIONS**

- *This paper consist of one item to be attempted.*
- *Responses must be written in the booklet provided.*

The people of Kagumba village have three sources of water D, G and K. The sources are in different locations of the area however the people from two of the areas have always abandoned their water sources and use one source causing congestion and conflict in the village. The accused groups claim the water wastes their soap.

### **TASK**

Different samples have been collected from the sources and as a scientist you are required to carry out a scientific investigation to identify the nature of water in the three sources, using the samples provided. Write your procedure and make a report.

You are provided with the following apparatus and materials

- Heat source
- Burette
- Pipette
- Thermometer
- Conical flasks
- Crucibles
- Evaporating dishes
- Measuring cylinder
- Tripod stand
- Sodium carbonate solution
- Soap solution.

**END**



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**CHEMISTRY PRACTICAL  
INSTRUCTIONS**

November 2023



**WAKISSHA JOINT EXAMINATIONS**

**End of Year Assessment**

**SENIOR THREE**

**CHEMISTRY PRACTICAL INSTRUCTIONS**

Paper 2

**CONFIDENTIAL;**

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

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

**INSTRUCTIONS FOR PREPARING SPECIMENS AND APPARATUS.**

The teacher responsible for preparing specimens must ensure that learners 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 learners using those **codes only** and not any other identity and displayed clearly for learners to see.

**Learners should be provided with the following;**

**D** - soft water or tap water

**G** - spring water or water containing magnesium or calcium hydrogen carbonate

**K** - sea water or water containing magnesium or calcium sulphate.

Learners should have access to the following apparatus and materials.

- Heat source
- Burette
- Pipette
- Thermometer
- Conical flasks
- Crucibles
- Evaporating dishes
- Measuring cylinder
- Tripod stand
- Sodium carbonate solution
- Soap solution.

**END**