**Name………………………………………………………………................. Stream..........................**

**545/1**

**CHEMISTRY (Theory)**

**April/2024**

**2 HRS**

**Uganda Certificate of Education**

**End of term 1 2024 S1**

**CHEMISTRY**

**Paper 1**

**2 hours**

**INSTRUCTIONS TO CANDIDATES:**

This paper consists of two sections; A and B. It has four examination items.

Section A has two compulsory items.

Section B has two items. Answer one item from this section

Answer four items in all.

Answers to Section A must be written in the spaces provided while those of Section B must be written on the answer booklet(s) provided.

Any additional item(s) answered will not be scored.

**SECTION A**

Item 1

People in your community don't know the reasons of studying chemistry and its contributions to the development of different sectors in Uganda.This has hindered the study of chemistry at all levels of education.The ministry of educationhave prepared sensitization meeting in your community. You have been pointed as one of the presenters

(a)Point out the reasons of studying chemistry you would give to the community members (5scores).

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(b) Briefly explain contributions to the development of different sectors in Uganda you would give out. (10scores).

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Item 2

Betty is a resident in your village, left a crawling baby at home ,on returning home she found when the baby had added soil in the water, and she is stuck and doesn't know the methods she can use and the procedures to be followed.

(a) Help her know at least two methods she can use.(1score).

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(b) Briefly describe to her the procedures she can follow to obtain water. (5 scores)

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SECTION B ( attempt one item in this section)

Item 3

A Bunsen burner is a heating apparatus commonly used in the laboratory in the elaboratory; this is because you can easily change the flames it can produce to the one desired. A primary student got to hear about the change of flames on a Bunsen burner and thinks about it as magic.

Task

In a single write up, help the student to know how the Bunsen burner is lighted and how the flames can be changed on it.

Item 4.

A species of red ants seasonally invades a nearby village. Whenever the ants invade, many chicken die. It's suspected that the death of chicken may be caused by the presence of red ants.

Task

As a member of the area who is interested in breeding chicken, design a scientific procedure to find out if death of chicken is caused by the red ants or not. (20 scores)

END