

Candidates Name.....

Signature:Personal No:

545/1

CHEMISTRY

Paper 1

2025

2 hours

INTERNAL MOCK SET ONE

CHEMISTRY

Paper 1

2 hours

INSTRUCTIONS TO CANDIDATES:

This paper consists of **two** sections: **A** and **B**. It has six examination items.

Section **A** has two **compulsory** items.

Section **B** has **two parts**: two parts **I** and **II**. Answer one item from **each** part. Answer four items in total.

Answers in section **A** **must** be written in the spaces provided while those of section **B** **must** be written in the answer booklet provided.

Any additional items answered will **not** be scored.

FOR EXAMINER'S USE ONLY.

ITEM	1	2	3	4	5	6	TOTAL SCORE
SCORE							

SECTION A

Answer **both** items from this section in the spaces provided.

Item 1.

Ms. Balanda has a restaurant in Iganga Town. The customers have these days abandoned her restaurant because of poor taste of food, unpleasant scent and food gets spoilt after a very short time. The appearance of cooked food is also not attractive and the soup is always very diluted. She wishes to acquire different ingredients which would be added to her food to produce meals attractive to her customers. She has contracted you as a chemistry student well knowing that you can advise her on the right ingredients to buy.

Task:

As a learner of chemistry, guide Ms. Balanda about:

- a) The category of the ingredient products to be used.

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- b) The suitability of the ingredient products.

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c) The challenges associated with the long term use of the ingredient product.

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d) Evaluate your choice of ingredient products selected.

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Item 2.

The government of Uganda through the ministry of Trade Industry and Cooperatives has commissioned the set-up of a textile factory in Jinja district under the theme "Buy Uganda Build Uganda" (**BUBU**). The main raw material of the factory is cotton which is supplied by the local

farmers in the district. The factory production team manager knows that the quality of the textile products manufactured depend on the quality of the raw material selected.

Task:

As a learner of chemistry, guide the team manager about:

a) The category of the raw material selected by the industry.

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b) The suitability of the raw material that make it useful in the textile industry.

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c) Explain the impact of the raw material on the environment.

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SECTION B

Part 1

Answer **one** item from this part in the answer booklet provided.

Item 3.

Ammonium nitrate is one of the most essential inorganic fertilizers used in agriculture. In order to meet the increased agricultural practices in Uganda, many fertilizer industries have been set up across the country, one of which is shown in the figure 1 below.



You are part of the chemistry class that has visited one of the factories and process of producing ammonium nitrate was explained to the class. You have been invited to a radio talk show to explain how ammonium nitrate is produced.

After your presentation one of the callers wants to know whether there is any impact associated with the process you have talked about.

Task:

Make a write-up of the sensitization message up to the end of the talk show.

Item 4

In Uganda, iron is mainly used in construction of buildings in the form of iron bars. To ensure the availability of iron bars, the government through the ministry of works is considering setting up an iron production plant in Kabale district. However, the residents need to be sensitized about the industrial processes, social benefits, side effects and how they can be overcome.

Has the head of the science club at your school you have been identified to sensitize the residents?

Task:

As a learner of chemistry, prepare a write up that you will use to sensitize the residents.

Part II

Answer **one** item from this part in the answer booklet provided.

Item 5.

In the village of Nkondo which is on lake shores in Kamuli District, people are found of washing near the lake, practice agriculture and setting up industries. They are now facing with a challenge of poor water quality.

The chairperson of Nkondo village has organized an emergency meeting with a theme

"WATER CONSERVATION IS EVERYONE RESPONSIBILITY"

Task:

As a chemistry learner who is a member of the village make a write up about the theme that you will present in the village meeting upon invitation.

Item 6.

Tororo district in eastern Uganda has many mineral reserves and rocks. Due to rapid pollution growth natural resources have been exploited causing proportional environment degradation in the region. The government of Uganda through media houses wants to make a public awareness on the matter.

Your school has been chosen to lead the environmental conservation awareness team in the district on the theme

"EXPLOITATION OF ROCKS AND MINERALS IS A NECESSARY EVIL.

You have elected for a radio talk show on behalf of the entire student's community.

Task:

Write down the information you will use during the presentation.

END

Growth is painful.

Change is painful.

But nothing is as painful as staying stuck where you don't belong.