

Candidate's Name: Signature:

School: Index No.:

545/1

CHEMISTRY

Paper 1

July/Aug 2025

2 hours



GREATER LUWEERO SCHOOLS' EXAMINATION BOARD

Uganda Lower Secondary Certificate of Education

MOCK EXAMINATIONS 2025

CHEMISTRY

Paper 1

(Theory paper)

2 hours

INSTRUCTIONS TO CANDIDATES:

- This examination paper is made up of **two** sections; A and B, making a total of six examination items.
- Section A has **two** compulsory items. Responses to Section A must be written in the spaces provided.
- Section B has **two** parts, I and II. Respond to only one item from each part.
- Responses to section B must be written in the answer booklet(s) provided.
- Respond to four items in all.
- Responses to each item in section B should start on a fresh page.
- Any additional item(s) responded to will not be scored.

SECTION A

Item 1

Jane had cough and at home there was no other medicine except some aspirin tablets. She decided to take aspirin hoping that it would cure the cough but she did not get better. When she asked her friend he told her that she took wrong medicine and advised her to take amoxicillin .when she took amoxicillin the cough was cured. Jane is now seeking to know more about these drugs.



TASK:

(a) Identify the category of the drugs Jane used.

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(b) Explain how the drugs Jane used work.

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(c) What side effects are associated with prolonged use of the drugs in the scenario above.

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(d) Evaluate the drugs Jane used.

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Item 2

A group of women dealing in embroidery has been making cotton floor carpets to earn a living. However many of their customers have complained that the carpets are easily decomposed by moisture. One of the customers has suggested that they can use Nylon instead. They are confused and are seeking for information from you.

TASK:

(a) Identify the categories of the materials.

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(b) State the properties of the material suggested.

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(c) State other uses of the material in (b).

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(d) What dangers are associated with using the material in (b) to the environment.

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SECTION B

PART I : Respond to **one** item from this part.

Item 3

In 2019, Uganda was hit by Covid-19 pandemic. Since then many people country wide have continued using ethanol- based sanitizers to prevent related infections. This has led to an increase in the demand for more production. An investor has expressed interest to set up an ethanol manufacturing plant to boost sanitizer production. However before he does the investment in ethanol manufacturing he is seeking for information regarding the process of production, the side effects and the benefits of the process. You have been contacted to help the investor.



TASK:

Make a write up to address the investor's concerns.

Item 4

Devki Mega steel plant was launched in the year 2025 in Kayoro, Tororo district to process high grade haematite iron ore to obtain iron for steel production. The residents of the area are wondering how this will be done. They would like to be educated about the process of production of iron, the side effects and the social benefits of the process. The L.C I chairperson has called for a sensitisation meeting and you have been invited as the facilitator.



TASK:

Make a write up of the sensitisation message you will use.

PART II : Respond to **one** item from this part.

Item 5

An investor is considering developing a stone quarry in a certain rural area with abundant rocks in Uganda. The people living around that area are worried about this activity in their area. A talk show has been organized on the local radio station in the area about the issue and you have been invited as one of the presenters.



TASK:

Write the key issues you would talk about in your presentation.

Item 6

The government of Uganda plans to increase the use of natural gas to meet the country's growing energy demands. However, many people are complaining about lack of enough information concerning natural gas. A forum has been organized to discuss the matter and you have been selected to represent the environment club of your school.

**TASK:**

Make a write up of what you intend to present at the forum.

END
YES, YOU CAN!