

NAME.....Personal No.....



MOCK EXAMINATIONS 2024
UGANDA CERTIFICATE OF EDUCATION
CHEMISTRY PAPER ONE
TIME: 2HOURS

INSTRUCTIONS

Respond to all items in section **A** and **any one** item in each part of section **B**

Crossed work will **not** be marked

Be neat and use illustrations where necessary

For examiner's use only	
ITEM	SCORE
Item one	
Item two	
Item three/four	
Item five/six	

SECTION A (Attempt all items in this section)

Item 1

Mary lives in an area where they use borehole water. On her way back home, Mary slid; fell and her white cloth became dirty. She decided to clean her cloth using a detergent product but the cloth remained with some brown spots even after rinsing several times.

Task:

As a chemistry student;

- (a) Point out the problem that Mary made when choosing the product.

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- (b) Help Mary to describe how the product works.

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(c) Advice Mary on the challenges associated with the long term use of the product

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(d) Compare the product with other similar product

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Item 2

In a certain company, they have plans of developing alloys from copper, zinc, carbon, silicon and iron. They want to make alloys that are strong and long lasting but they need advice on what to consider before starting the process.

Task:

As a chemistry student

a) Point out the classes of elements that the alloys can be developed from

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b) Explain how the elements are suited for making the alloys

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c) Suggest some of the uses of the alloys

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d) Explain one impact of the alloys on the environment

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SECTION B

Part 1(respond to one item from this part)

Item 3

Locals in a certain district rear fatty cattle that they sell to earn a living. One of the investors is interested in setting up a soap producing plant to create market for the cattle. The locals are wondering how the process would be carried out and the associated results.

Task

As a chemistry student, write a message that the investor should deliver to the locals on meeting them about the matter.

Item 4

In an area known for planting many bananas, the people of this area have realized that their bananas have lost market and they have plans of giving them to animals. However, they have heard that bananas can be converted into sanitizer, a useful product that can earn profits. The residents have limited knowledge on how the process can be carried out.

Task

As a chemistry student, make a written message to address the matter

Part2 (respond to one item from this part)

Item 5

Kisoro rocky hills in southwestern Uganda depend on stone quarrying as a primary source of livelihood. However, extensive quarrying has resulted into seasonal changes, water shortage, and reduced air quality and water contamination.



Basing on this background, the government wants to make a sensitization about the issue

Task

As a chemistry student, write a message that the government would use in the sensitization

Item 6

Due to increased industrialization and settlement in towns, there has been an increased destruction of natural resources and this has attracted attention from National Environment and Management Authority (NEMA).

There is a plan to make a sensitization countrywide.

Task

As a chemistry student, make a write up to sensitize your community about the matter

END