

Candidate's name.....
 Index no..... Signature

545/1
CHEMISTRY
 Paper 1
 July. 2024
 2 hours

ASSHU BUSHENYI DISTRICT MOCK EXAMINATIONS 2024

Uganda Certificate of Education

CHEMISTRY

Paper 1

2 Hours

INSTRUCTIONS

- ❖ This paper consists of two sections A and B
- ❖ All items in section A are compulsory and must be answered in the spaces provided
- ❖ Section B has four items from two parts. Candidates are required to attempt **one** item from each part.
- ❖ All your work **must** be in **blue or black ink**. Any work done in pencil **except** drawings will not be marked.
- ❖ Mathematical tables and silent non-programmable calculators may be used

For Assessors' Use Only						
Item	1	2	3	4	5	6
Score						

SECTION A (answer all questions in this section)

- SECTION A (answer all questions in this section)**
1. Maria, a popular food vendor has been using a new ingredient in her dishes to enhance the food flavor and texture, however complaints have related to stomach issues and allergic reactions have been reported to her from by customers. She is considering using an alternative but needs guidance.



Task

As a learner of chemistry

- a) Point out the best alternative product she can use

Point out the best alternative product she can use

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- b) Explain the function of the product you have chosen

[illegible]

- c) Evaluate the impacts associated with long-term use of the product.

[illegible]

2. Mary wishes to start up a textile industry in order to produce materials to be supplied to the neighboring schools for making corporate wear for the staff members. However, Mary lacks knowledge on the choice of the best materials that can be used with minimal environmental effects.



Task

As a learner of chemistry,

a) Explain

(i) The categories of materials

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(i) Suitability of the materials

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(ii) Advise on the choice of the best materials.

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SECTION B

(Choose one question from each part)

Part 1

2. A large chemical plant in a rural area is considering producing ammonia to be used in making fertilizers in order to meet the growing demand for fertilizers in the agricultural industry. However, many residents in the area lack knowledge on how the production process can be effected with less impact to the environment.



Your fellow students also wish to understand the same. You have been selected to make a presentation to them by your teacher.

Task

As a learner of chemistry, make a write up of the message that you will deliver to them.

3. A copper mine is proposed for development in Karamoja district, however the production process require large amounts of energy and water which could affect the environment. Additionally, many residents are also wondering how the production process and its benefits can be balanced with minimal effects.



Task

As a learner of chemistry, make a useful write up to them.

Part 2(choose one question from this part)

4. With the increasing demand of charcoal and fire wood among the residents of Mpigi district, a large part of Mpanga forest was cleared. Consequently, the area started experiencing little rainfall and flooding. This has attracted the attention of the district chairman and thus organized sensitization workshops to address the challenges in the community.



Your school has been invited and you have been selected as the among the speakers since you have enough chemistry knowledge.

Task

As a learner of chemistry make a write up of what you expect to be delivered in the meeting.

5. The collapse of Masaka high way in Busega was attributed to the heavy rainfall that led to flooding, weakening the road foundation. Additionally, the many human activities taking place in the swamp surrounding it such as industrialization and human settlement contributed to its shallowing hence erosion.



The environmental experts have embarked on the sensitizing the community with the goal of finding a solution to the current challenges and those likely to occur.

Task

As a learner of chemistry, make a write up of your expectation in the meeting.

END