

Candidate's Name:

Index Number..... Signature:.....

545/1
CHEMISTRY
Paper 1
July/ Aug., 2024
2 hours



RWENZORI REGION SESEMAT AND ASSHU

(RRSA) MOCK EXAMINATIONS

UGANDA LOWER SECONDARY CERTIFICATE OF EDUCATION

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; **I** and **II**. Answer **one** item from **each** part.*
- ❖ *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.*

SECTION A

*Answer **all** the items from this section*

Item 1

Mary is a 16-year-old school girl who lives with her grandmother, a seasoned herbalist. Whenever she falls sick, she is given herbs to relieve the pains. One day, on her way from school with a friend, she fell down and felt severe pains in her knees but had no bruises. Her friend took her to a nearby drug shop and bought her Aspirin tablets. After a short rest, she felt relieved of the pain and continued home. She shared her experience with her grandmother; however, her grandmother was not happy.

Task

As a learner of chemistry, offer Mary guidance on;

- (a) The category of the product

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- (b) The function of the product

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(c) Challenges associated with the use of the product

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(d) Evaluate the products

[illegible]

Task

As a learner of chemistry; guide the manager of the firm on;

(i) The category of the selected alternative material

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(ii) The properties of the material

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(iii) the use of the alternative material

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(iv) Challenges associated with the use of the alternative material

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SECTION B

Part I

Item 3

One of the large-scale uses of sulphuric acid is making paints. To ensure that sulphuric acid is readily available and at a cheaper cost, the government has cleared a local investor to set up a sulphuric acid production plant in Kilembe Town in Kasese District. However, the community is concerned about its environmental effects and the investor is wondering how the production process will be done.

Task

As a learner of chemistry, you have been selected to sensitize the investor and the community. Prepare a presentation you would make.

Item 4

Rosemary opened up a new restaurant in Rwimi Town council. Her restaurant receives many customers during lunch time because her food has appealing aroma and appearance. The owners of the other restaurants in the area receive

very few customers. This has created jealousy resulting into quarrels. As a result, the chairperson of the area has scheduled a meeting to solve the issues.

Task

As a learner of chemistry, write a message of advice that you would present to the chairperson to deliver to the owners of the other restaurants.

Part II

Item 5

Many people in villages make a living by manufacturing local waragi (ethanol). The government is against the business due to associated challenges. The LC 5 chairperson wants to sensitize the local community about the large-scale production process and its impact.



You have been contacted as a person with the knowledge of chemistry.

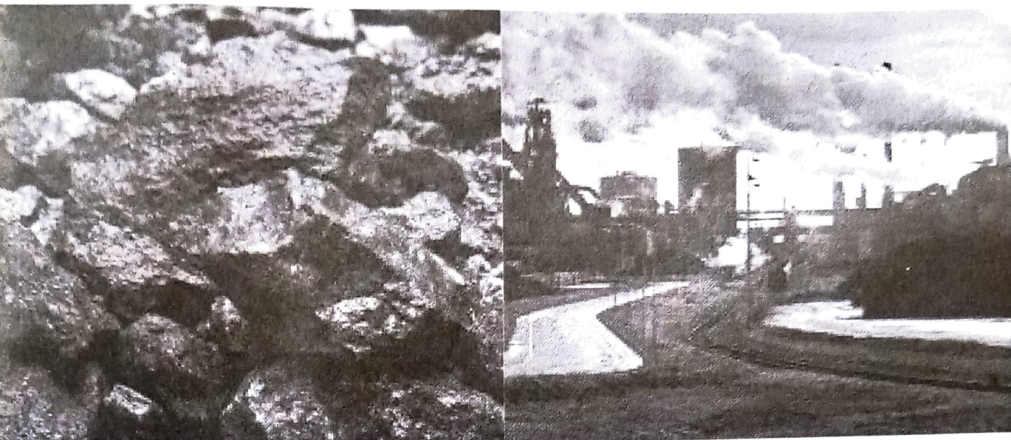
Task

Make a write up that you present to the LC5 to enable him sensitize the community.

Item 6

Muko in Kabale is rich in iron deposits. The government has contacted an investor to set up a factory in the area to make the best use of the iron deposits due to increasing demand for steel in the increasing construction industry in the country. The local residents are however, protesting the establishment of the

actory in the area due to environment concerns. The locals also *don't* know how
the process of extraction will be done. A local radio presenter *has* ~~contacted~~ *contacted* you
to attend a radio talk show to sensitize the locals about their *concern*



Task

As a learner of chemistry, prepare a presentation you would make.

END