

KIYALA HIGH SCHOOL
END OF YEAR ASSESSMENT TEST 2024
CHEMISTRY
S.2

Time: 2 Hours

INSTRUCTIONS:

- This paper consists of *two* sections *A* and *B*. It has *five* examination items
- Section *A* is *compulsory* and responses to this section are to be written in the spaces provided in this booklet.
- Section *B* has *two* parts, answer *two items* from section *B*, choosing *one* from *each* part.
- Responses to this item are to be answered in the answer booklet provided.
- Any additional item answered will not be scored

SECTION A

Attempt all items in this section

Item 1

Two boys from **Kiyala High School** were found fighting and they were given to dig a new rubbish pit. While digging the pit, they came across some substances from underground. On analysis, some substances gave a deep and ringing sound when struck while others could neither give a deep nor a ringing sound. The learners want to know more about the substance they found.



Task

As a chemistry learner, help the boys to;

a) Give the categories of the substances they found.

(03scores)

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b) Take them through the suitability of the substances they found.

(03scores)

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c) Advise them on whether the substances have impacts on the environment or not. (02scores)

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Item 2

Tr. Aaron wishes to start up a textile industry to produce materials to be supplied to the nearby schools for making uniforms.

Tr. Aaron Knows that choosing a quality material depends on the properties of the material and has come to you for advice.



Task

As a learner of chemistry;

a) Explain the categories of the materials. (03scores)

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b) Advise him on the suitability of the materials for use. (02scores)

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c) Advise him on the choice of these materials. (03scores)

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SECTION B

PART I

Attempt any one item from this part.

Item 3

Air which is a mixture of different components contains 21% oxygen. Due to a wide spread of respiratory illnesses caused by COVID-19, there has been an increased demand for oxygen by patients in hospitals. The government wants to set up an oxygen production plant in order to supply oxygen to be used in hospitals.



However, the community members want to know how the process of production will be carried out.

Task

As a chemistry learner, write a message to your community members to address their concerns.

(08scores)

PART II

Attempt any one item from this part.

Item 4

Fishing is a major economic activity done in most waters of Uganda. The Fishermen use a variety of methods including local herbs and undersized Nets for fetching fish, some of the boat engines are old and pour oil on Water. Chemicals like detergents released directly in the water including some human wastes, factories around water showers release hot water and sewage into water bodies.



This has prompted the government to strictly oversee the activity and ensure fishing is not contaminated and there is Market for it abroad. The head of the unit plans to sensitize the Fisher men.

Task

As a chemistry learner, help the head of the unit to sensitize Fisher men about the natural resource.

(08scores)

Item 5

There has been a rise in destruction of natural resources country wide for the last 10years and this has attracted the attention of the officials from National Environmental Management Authority (NEMA).



The officials are planning to sensitize the people country wide about sustainability of the natural resources through wide television broadcasts.

Task

As a chemistry learner, prepare a write up you would deliver upon invitation as one of the presenters.
(08scores)

*****END*****