545/1 CHEMISTRY Paper 1 Nov. /Dec. 2024 2 Hours



SESEMAT MUKONO REGION

S.3 End of Year Assessment

CHEMISTRY

Paper 1
Theory

2 Hours

INSTRUCTIONS TO S.3 LEARNERS

- This paper consists of two sections A and B.
- Section A has two compulsory items. Use only spaces provided to write your responses.
- Section B has two parts, I and II. Answer one item from each part.
- Answer four items in total.
- Begin each item for section B on a fresh page.
- You may use appropriate illustrations and diagrams where necessary in your responses.

For Item Scorer's Use Only									
Section A		Section	Total						
1	2	Item	Item						

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SECTION A

Item 1.

To ensure quality hygiene and cleanliness among the population, a number of industries in Uganda manufacture detergents. Some common brands include: Omo, Ariel, White star, Bull and Sunlight. Market research indicates that most users prefer powdered form of the detergents to the bar form.

Task:

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SECTION B

PART I

(Select only ONE item from this part)

Item 3.

A new biofuel production company, Green Energy Uganda (GEU), has secured a contract to supply ten million gallons of ethanol per year to a major oil refinery in western Uganda. The refinery will blend the ethanol with gasoline to produce a cleaner burning fuel that meets the country's strict environmental regulations. GEU wants to buy ethanol from the local community, however the community does not know how ethanol is produced. They also do not know the benefits and the dangers of the production process.

Task:

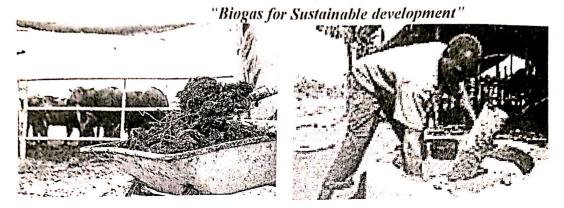
Make a write up that can be used to sensitize the people in this community.

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Item 4.

In a classroom activity, senior three students of your school are presented with the learning aids as shown below.



Task

As a learner of chemistry, prepare a written presentation that will make the given statement relevant to your classmates.

SECTION B PART II

(Select only <u>ONE</u> item from this part)

Item 5.

United Nations Environment Program (UNEP) has observed that Climate change, pollution, and rapid urbanization have severely depleted the world's breathable air supply. The once-abundant resource is now scarce, particularly in densely populated cities.

Task:

As a learner of chemistry, make a write up that can be used to clarify the above observation to the school community.

Item 6.

Lake Victoria, Uganda's largest freshwater lake and a vital source of water, fish and livelihood for millions, is facing severe water pollution threats. The communities around the lake are wondering why the poor water quality. The District Natural Resources Officer has planned to educate the communities around the lake about the causes of the poor water quality.

Task:

Write a sensitization message that District Natural Resources Officer can use.

END

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