

Candidate's Name: .....

School:.....

Centre No.				Personal No.			
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Sign: .....

545/1  
CHEMISTRY  
Paper 1  
JULY/AUG. 2024  
2 hours



## HOIMA DIOCESE EXAMINATIONS BOARD

UCE Mock Examination, 2024

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.*

*Any additional item(s) answered will **not** be scored.*

## SECTION A

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

### Item 1

Jane was suffering from flue and cough, and Joan was having back pain. They were both advised by a friend to go to the nearby pharmacy, and get medications. However, both did not know which medications to go for.



### Task

As a Chemistry learner,

(a) Help Jane and Joan to;

(i) know the medications to go for.

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(ii) understand how the medication will help them.

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(b) advise Jane and Joan to make better choices of medications.

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(c) evaluate the medications to be used by Jane and Joan.

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**Item 2**

The school wants to buy school sweaters and there are two available samples. One made from cotton and the other from nylon. However, the school managers do not have enough information on the materials.



Cotton sweater



Nylon sweater

You have been approached for more information in order for them to make a choice.

### Task

As a Chemistry learner,

- (a) Help the school managers to understand;  
(i) the category of the materials.

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- (ii) suitability of materials.

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- (b) Advise the school managers on the choice of material to be bought.

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## SECTION B

### Part I

*Answer one item from this part.*

#### Item 3

In a certain community, farmers have been clearing land for farming and agriculture by burning bushes and vegetation. Recently, the community experienced heavy rains and now the community members are just worried on the change of seasons.



A sensitization workshop is to be organized to explain the situation in the community.

#### Task

As a chemistry student, write a message you will deliver upon invitation.

#### Item 4

There are many rocks in Eastern Uganda, but due to high rate of construction in the region on going, they have been over exploited which has led to the environmental degradation. The Government through media houses wants to make public awareness on the matter.



#### Task

As a Chemistry learner, prepare a presentation that can be used by media houses.

**Turn Over**

## PART II

*Answer one item from this part.*

### Item 5

Aluminium is used in a huge variety of products including foils, kitchen utensils, and others. Recently, there was shortage of aluminium products and also production of poor-quality aluminium products especially kitchen utensils. The government got an investor to extract aluminium from its ore on large scale.



However, the science club members in your school would like to know how the process of production will be carried out.

### Task

As a chemistry student, write a presentation you will use.

### Item 6

Most residents in a certain village plant cassava but sometimes do not get adequate market for their produce. They were advised that they can convert their produce to pure ethanol on the large scale. However, some residents are wondering how this can be done and its impacts on the environment.



A sensitization meeting is to be organized for the residents.

### Task

As a Chemistry learner, prepare a written message that can be used.

END