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CHEMISTRY

Paper 1

September 2024

2 Hours

TEA RESOURCEFUL ITEMS ON EOC 2 n 3

Uganda Certificate of Education

CHEMISTRY

Paper 1

INSTRUCTIONS TO CANDIDATES:

- This paper consists of two sections **A** and **B**
- **Section A** consists of **TWO** items with broken tasks. Attempt all items in this section. Responses to these items must be written in the spaces provided only
- **Section B** consists of **Two** parts ,part I and part II .Attempt one item in each part. Responses to these items must be written in the answer booklets provided
- In both sections, all **RESPONSES** must be shown clearly

For Assessment Use Only					
1	2	3	4	5	6

ELEMENT OF CONSTRUCT TWO SAMPLE ITEMS

MEDICINE.

item

Mukisa a 28 year old .Has been suffering from persistent cough and fever for several days.Despite taking an immune boast containing garlic and ginger as recommended by his grandmother ,his symptoms worsened and is now feeling chest pain and difficulty in breathing.



Task :

As a chemistry student:

- a) Explain the category of the product he should use

- (a) Advise him on the challenges associated with long term use of the product.

ELEMENT OF CONSTRUCT THREE SAMPLE ITEMS

FORMULAE

item

A farmer in a rural area cleared his land to grow maize for sale. The rainfall was very favorable but the yields were very poor because the soil was not fertile and he made losses. He was advised to buy one of the following products; ammonium nitrate; NH_4NO_3 , ammonium sulphate; $(\text{NH}_4)_2\text{SO}_4$, ammonium phosphate; $(\text{NH}_4)_3\text{PO}_3$ to improve on his crop yields



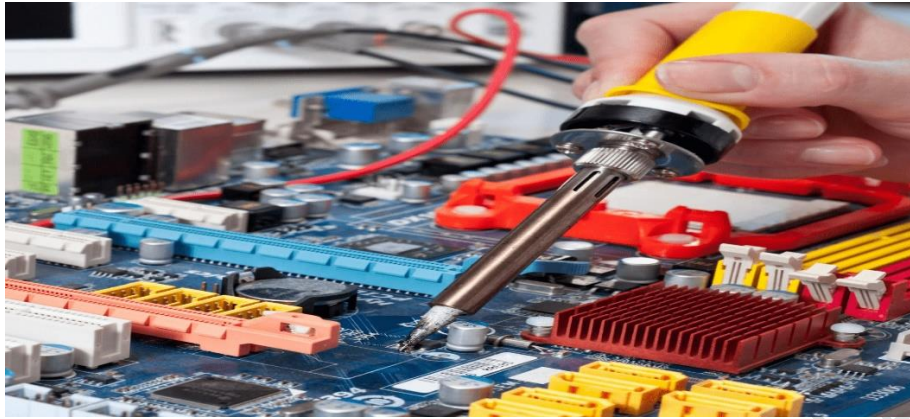
Where necessary use: (O=16, H=1, P=31, N=14, C=12, S=32)

Task:

As a chemistry learner;

- a) Explain the;
 - i) Category of the product

- ii) Suitability of the product



John knows that selecting the right substances is crucial for making quality repairs, but he is confused about which one to choose and has asked for your advice

Task:

As a chemistry learner;

- a) Explain to John the
(i) category of the substance

- (ii) Suitability of the substance

- b) Advise him on the choice of the substance

USING MATERIALS

construction;

item

Tonny ,a local contractor who has been hired to construct a swimming pool at St Ruth SS for students to have swimming as another sports activity. Tonny knows that to meet the desires of the school Director ,he must be careful while selecting the materials .Tonny has little knowledge about the quality and nature of the materials and has come to you for advice



Task:

As a chemistry learner;

- a) Explain the;
 - (i) Categories of the materials

- (ii) Suitability of the materials

b) Advise him on the choice of the materials

**Packaging;
item**

A new soft drink manufacturing company is looking for a packaging material that meets the requirements of Uganda Bureau of Standards and minimize the costs.



There are various materials of different quality on market. The manager has approached you to guide him while making decision

Task:

As a chemistry learner;

- c) Explain the;
(iii) Categories of the materials

(iv) Suitability of the materials

d) Advise them on the choice of the materials

**Textile
item**

A school fashion designer is struggling to find a comfortable fabric to make school uniform. The current fabric used is causing discomfort and sweating leading negative students views and delayed payment for school uniform



However ,the school fashion designer knows that to improve on the quality of his fabric,must be careful when choosing the material to use but he does not

have enough knowledge on the quality and nature of those that are market and has come to you for advice

Task:

As a chemistry learner;

e) Explain the;

(v) Categories of the materials

(vi) Suitability of the materials

f) Advise him on the choice of the materials

BONDING AND STRUCTURE

item

Common salt is widely used to give food taste. It is usually added to food while it is being cooked. Some times when food is ready to be eaten, some people still add more salt to it. This may end up making the food too salty. Eating much salt is not healthy because it increases the risk of high blood pressure. Community members have come to you for advice about chemistry of common salt



Task:

a) Help them to explain the;

(i) category of this substance

(ii) suitability of the substance

b) Advise them on the impact of the substance on the environment

*Wish You Success
CEO's TEA*

EOC2 AND EOC3 SAMPLE ITEMS BY TEA