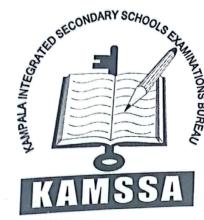
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# KAMSSA JOINT MOCK EXAMINATIONS

## Uganda Certificate of Education

**CHEMISTRY** 

Paper 1

2 hours

### Instructions to candidates

2 hours

- 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.

**CS** CamScanner

Turn Over

## SECTION A

### Answer all items in this section (30 scores) Item 1 Sheillah and Onyango have teamed up to make components for cooking using electricity. They wanted to make electric wires, sauce pans, mingling sticks using the following substances available which are aluminium, magnesium and silicon dioxide but are stuck which materials are to use were. Task You as a learner of chemistry advice Sheillah and Onyango on which substances they can use to make those materials explaining to them the choice of each substance. the state of the s

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#### Item 2

Residents of Bunamwera village are known for growing soya beans that grow very well in soils which are neutral that is to say neither acidic nor alkaline. For the past three years there has been a gradual decrease in the production of soya beans which is making the residents so varried as their major source of livelihood is at the verge of perishing. The speculations going

" <sub>-11</sub> 00 "	settle the speculations. What procedures will to settle this speculation.
Task as a leaner of chemistry you are required to you do using any acid base indicator of your choice you	
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	eed not neutral but are acidic, what advi-
ii) Suppose you find out that the soils are indigive to the farmers to solve this problem.	advise wil
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SE	CTION B
	PART I
(Answer one	item from this part)
Allstre	
Item 3 Sodium hydroxide is an inorganic compourmanufacture a wide range of products like This has increased demand from local manufacture that it is readily available and at a to set up a sodium hydroxide manufacture as a community is concerned about its environ occur.  You have been selected as a chemistry	and that is mostly used by the chemical industries is soap, paper, and petroleum products among other anufacturing industries in the country. Therefore, the appear cost, the government of Uganda has decide cturing plant in your village. However, the local current of the process of production will mental effects and how the process of production will student to sensitize the local community about the local
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#### Item 4

Air is the mixture of different components. It contains 21% oxygen, 78% nitrogen, 0.03% carbon dioxide water vanour and the contains 21% oxygen, 78% nitrogen, illnesses carbon dioxide water vapour and inert gases. Due to a wide spread of respiratory in the hospitals of the patients in the hospitals of the patients in the patients in the hospitals of the patients in the pat caused by COVID-19 there was an increased demand for oxygen by the patients in the production. The government supplies the patients of the pat hospitals. The government supply of oxygen is not enough and is planning to setup an oxygen However. production plant with minimal environmental impact. However, the local people around your school would like to know how the process of production will be carried out production will be carried out.

#### Task

As a chemistry student, make a write up you will use during the presentation.

### PART II Answer one item from this part

Stone quarrying is one of the key extractive economic activity in Buntaba village in Buikwe district; supplying stars district; supplying stones to the construction industry. People of this village for a long time practiced other accounts. practiced other economic activities like charcoal burning, crop and animal husbandry, yet the village is over populated at the charcoal burning, crop and animal husbandry in village is over populated. The environment has started experiencing environmental changes in the climate. the climate, soil erosion, poor air quality and the little water available is undrinkable. The locals are now word in the local same and the locals are now word in the local same and the local same are now word in the local same and the local same are now word in the local same are now wor locals are now wondering why all these are happening and some has started attributing it to

The chairperson LC5 has organized a sensitization workshop to explain to the locals the existing situation of the locals the existing situation. existing situation. The theme of the workshop is MY ENVIRONMENT IS MY RESPONSIBILITY.

#### Task

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

Item 6 Uganda has substantial natural resources including forests, lakes and rivers, rocks, mineral deposits such as copper, limestone and gold. Due to the increasing population and human activities the resources are being exploited which has led to environmental degradation.

The world life club is planning to create awareness to the people around the school through a sensitization workshop organized by the chairperson L.C.3

#### Task

As a chemistry student, prepare a presentation you will deliver during the workshop upon invitation.

**END**