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545/1 CHEMISTRY Paper 1 (Theory) November 2024 2 hours



WAKISSHA JOINT EXAMINATIONS

Uganda Certificate of Education End of Year Assessment SENIOR THREE CHEMISTRY

Paper 1

Theory

2 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of two sections A and B. It has six items.

Section A has two compulsory items. Responses to this section must be written in the spaces provided.

Section B has two Parts; I and II. Answer one item from each part. Responses to this section must be written in the answer booklet(s)/sheets provided.

Answer four items in all.

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

FOR EXAMINERS' USE ONLY					
Section		Item Score(S)		Examiner's Signature	
A -		1			
		2	- Harden - H		
Part I Part II	3	A			
	raiti	4			
	Part II	5			
		6			
	Total				

SECTION A

Answer all the items in this section.

clothes	nunity members in a certain area are frustrated because they use much soap to wash their is. However, they have heard of other products on market that work better yet they do not ny idea.
Task As a c (a) I	hemistry learner, you have been selected to handle the issue at hand. Help the community members to identify the other product.
e e	
(b)	Briefly explain how the product in (a) above works.
2	
(c)	What are the side effects of using the product in (a) and the mitigations?
(d)	How is the product in (a) similar to soap?

	of chemistry help the trader to;
Discover the h	name of the brown coating.
Know the prop	perties of the brown coating.
×	
Realise the side	e effect of the brown coating and the mitigation measures.

Item 2

SECTION B

Part 1

Answer one item from this past.

Item 3

Following the outbreak of Covid -19, the cost for sanitizer increased suddenly and the community members could not afford. A medical personal was invited and advised them to use a cheaper alternative of using locally made Ethanol since sanitizer contains mainly Ethanol. The challenge is that the community members do not know how to produce ethanol locally.

Task

As a chemistry learner, you have been invited to address the community challenge. Make a write up for your presentation.

Item 4

Maize growers in a certain village had a very poor yield. When they consulted the Agricultural officer, he took soil sample for Analysis. They were told that they needed to use nitrogen-based fertilizer in order to improve on their yield. However, the farmers did not know the process of production as regards to the fertilizer.

Task

As a chemistry learner, make a write up you would use to sensitize the farmers.

Part II

Answer one item from this part.

Item 5

During periods of heavy rainfall, residents of certain village suffer from cholera, dysentery and typhoid. This is attributed to drinking water directly from boreholes and wells.

The health inspector advised the residents to resort to tap water which is safe for drinking. They remained in dis-belief.

You have been invited to sensitize the residents up on the health inspectors idea.

Task

As a chemistry learner, prepare a written message you will present.

Item 6

Global warming has become a major concern worldwide. This has been associated to cutting tress for charcoal burning, timbers for construction, firewood among others.

Tack

As a S.3 chemistry learner, use the knowledge of chemistry to make a write up to address the concern.

END