NAME:	
SCHOOL	SIGNATURE:

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.

	Section	Item	Score(S)	Examiner's Signature
	A	1		Signature
	A	2		
	Part I	3		
В		4	THE RELEASE OF THE PARTY OF THE	
	Part II	5		
	. 41(11	6		+
	Total			

O WAKISSHA Joint Examinations 2024

Turn Over



SECTION A

SCHOOL

Answer all the items in this section.

CHEMISTRY 1 ment

Community members in a certain area are frustrated because they use much soap to wash their clothes. However, they have heard of other products on market that work better yet they do not have any idea.

- 2/10					***
Briefly	explain how the	product in (a) a	bove works.		
				- and the second	
	10				
What are	e the side effects	of using the pro	oduct in (a) and	I the mitigations	?
		2.54	27C3		
	A17.54				
				Land Harris	
ow is th	ne product in (a)	similar to soap?			

C WAKISSHA Joint Framing

23%	in coating and remained wondering what could have happened.
	g a knowledge of chemistry help the trader to;
	5 - and stage of elicinismy neip the trader to;
)	Discover the name of the brown coating.
)	Know the properties of the brown coating.
	the and properties of the brown coating.
	Realise the side effect of the brown coating and the mitigation measures.
	g and modelines.

Item 2

Turn Over

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

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.

Task

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

END

Name:			
School:		_ Signature:	

545/2
CHEMISTRY
Paper 2
(Practical)
November 2024
2 Hours



WAKISSHA JOINT EXAMINATIONS

Uganda Certificate of Education

End of Year Assessment

SENIOR THREE

CHEMISTRY

Paper 2

(Practical)

2 Hours

INSTRUCTIONS TO CANDIDATES;

This paper consists of one compulsory item.

Answers to this item are to be written in the spaces provided in this booklet. Use blue or black ink.

All working must be clearly shown. Graph paper will be provided.

Mathematical table and silent non-programmable scientific calculators may be used.

You are not allowed to use reference books (i.e. text books, booklets on qualitative analysis etc.)

Candidates are advised to carefully read the item, make sure they have all the apparatus and chemicals they may need and then plan appropriately before starting.

© WAKISSHA Joint Examinations 2024

Turn Over



Epi roo on a the Maj You BA	som salt contains magnesium sult growth and development. Brow a small scale by reacting magnesi rate of the reaction can be improved in the small scale by the reaction can be improved in the small scale (and the small scale) and sulphuric acid react (and the small scale) are the small scale and sulphuric acid solution and sulphuric acid solution and sulphuric acid solution and sulphuric acid solution and sulphuric acid solution.	phate an important ingredient in this fertilizers to in is intending to start a local factory to prepare the turn metal and dilute sulphuric acid but is not awayed at room temperature. according to the equation MgSO ₄ (aq) + H ₂ (g)	stimulate
Qv	which is magnesium		
Tas	sk:		
Asa	a chemistry learner,		
	address their concerns (Your a and materials, procedure, risks	use to determine the rate of the reaction for the fanswer should include aim, hypothesis, variables, as and their mitigations)	ctory to
			•
	- 1		

	*
	Turn O

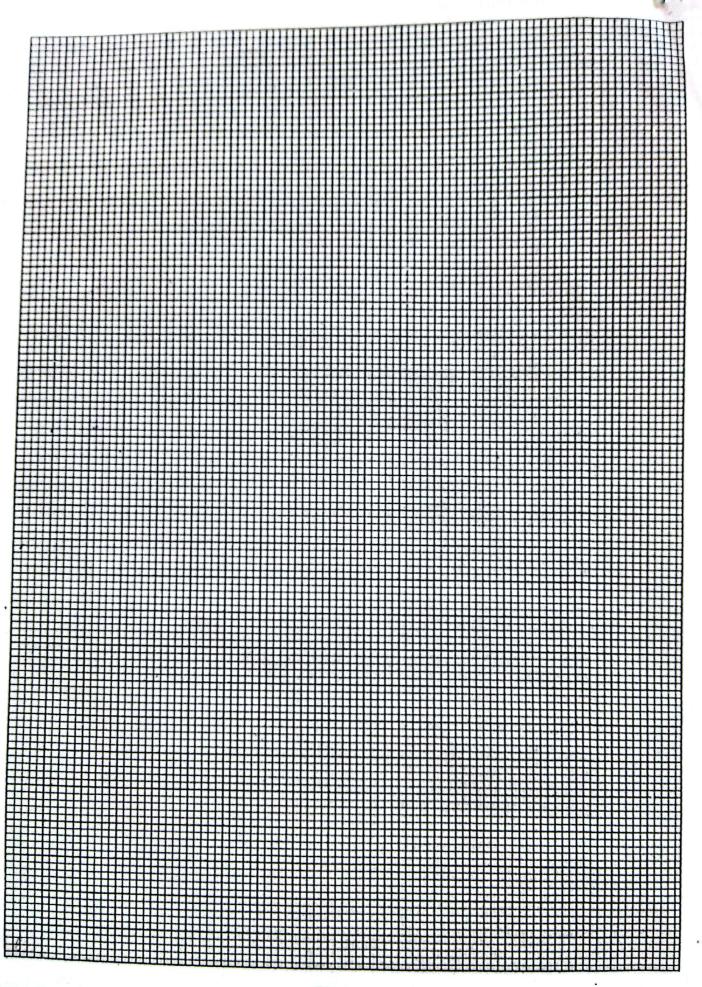
3

a minimum of six r	readings is required)
•	

alyse your results and inform Brown accordingly.		
A STATE OF THE STA		

Turn Over

5



END