545/2 Chemistry Paper 2 July - August 2024 2 Hours



## UGANDA MUSLIM TEACHERS' ASSOCIATION UMTA JOINT MOCK EXAMINATIONS-2024 UGANDA CERTIFICATE OF EDUCATION Chemistry

Paper 2 **2 hours** 

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## 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 may not be 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.

## Item 1.

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In a large shopping mall, the outdoor walkways and entranceways have recently become heavily stained due to high foot traffic. The cleaners in this mall have developed a cleaning mixture that consists of a soap solution and hydrogen peroxide for restoring the appearance of the walkways and entranceways.

However, there is need to increase the frothing of the mixture for effective cleaning process and one of substances X and Y is to be used for this purpose.

The cleaners are not sure which of the substances X or Y is a better frothing agent.

	(iv) hydrogen peroxide solution (v) some apparatus				
Task:					
(a) Design an exp	periment to help the factory	workers address their concern	1.		
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(a) Analysis 1 1			
(c) Analyse your data and draw a co	nclusion.		
	3		

