

Candidate's Name: .....

Random No.

Personal No.

Signature: .....

(Do not write your school / Centre Name or Number anywhere on this booklet.)

545/2

CHEMISTRY  
(PRACTICAL)

Paper 2

June / July 2024

2 hours



# UNITED TEACHERS' EDUCATION BUREAU

## MOCK EXAMINATIONS

### Uganda Certificate of Education

CHEMISTRY  
PRACTICAL

Paper 2

2 hours

#### INSTRUCTIONS TO CANDIDATES:

*This paper consists of one compulsory examination 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 tables and silent non programmable scientific calculators may be used.*

*Candidates are advised to carefully 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.**

Jolly a S.2 student was experiencing a burning sensation in her stomach. She was advised to buy Anti-acid drugs at a pharmacy and she was told that they **neutralise** the excess hydrochloric acid in the stomach to reduce the burning sensation known as "**ulcers**". On reaching home her sister in form three told her that from their chemistry lessons on salts preparation, their chemistry teacher told them "**acid- base**" reactions produce heat. Jolly was not well convinced whether this is true.



You are provided with:

BA1 Which is a solution of hydrochloric acid.

BA2 Which is a solution of sodium hydroxide.

**Task:**

Design and carry out an experiment to help jolly understand the nature of the reaction between a base and an acid.

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