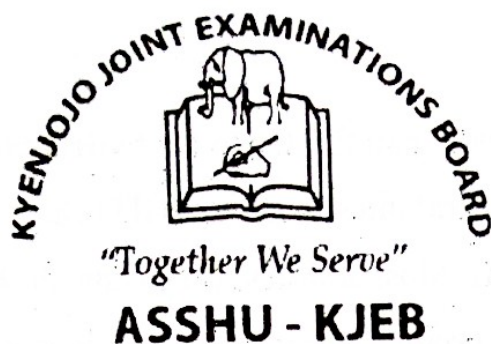


545/2
CHEMISTRY
PRACTICAL PAPER 2
JULY/AUGUST
2 Hours



ASSHU-KYENJOJO DISTRICT JOINT MOCK EXAMINATIONS
2024

UGANDA CERTIFICATE OF
EDUCATION CHEMISTRY PRACTICAL

PAPER
2
TIME: 2 HOURS

Name:.....Index Number.....

School:.....Signature.....

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 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.)*

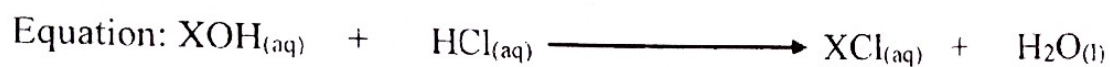
*Candidates are advised to carefully read the item. make sure they have all the apparatus and chemicals they may need and then **plan** appropriately before starting.*

FOR EXAMINER'S USE ONLY	
Exam marks	
Scores	

Item 1

Peptic ulcers disease is normally painful due to the **hydrochloric acid** that erode the wounds of the walls of the gastral intestinal tract (GIT) caused by bacteria *Helicobacter Pylori* (H Pylori). Most anti-acid drugs contain **bases** that **neutralize** the acid. However, their reaction produces heat that causes burning sensation immediately after taking the drug and worsens the situation than relieving it.

An industry has two bases **BA1** and **BA2** of the same concentrations, and they want to use one that causes less heat change with Acid **BA3**.



Task: (a) As a medical student;

- (i) Design an experiment you will carry out to determine the best **base** to use by the patients to **neutralize** the stomach **hydrochloric acid**.

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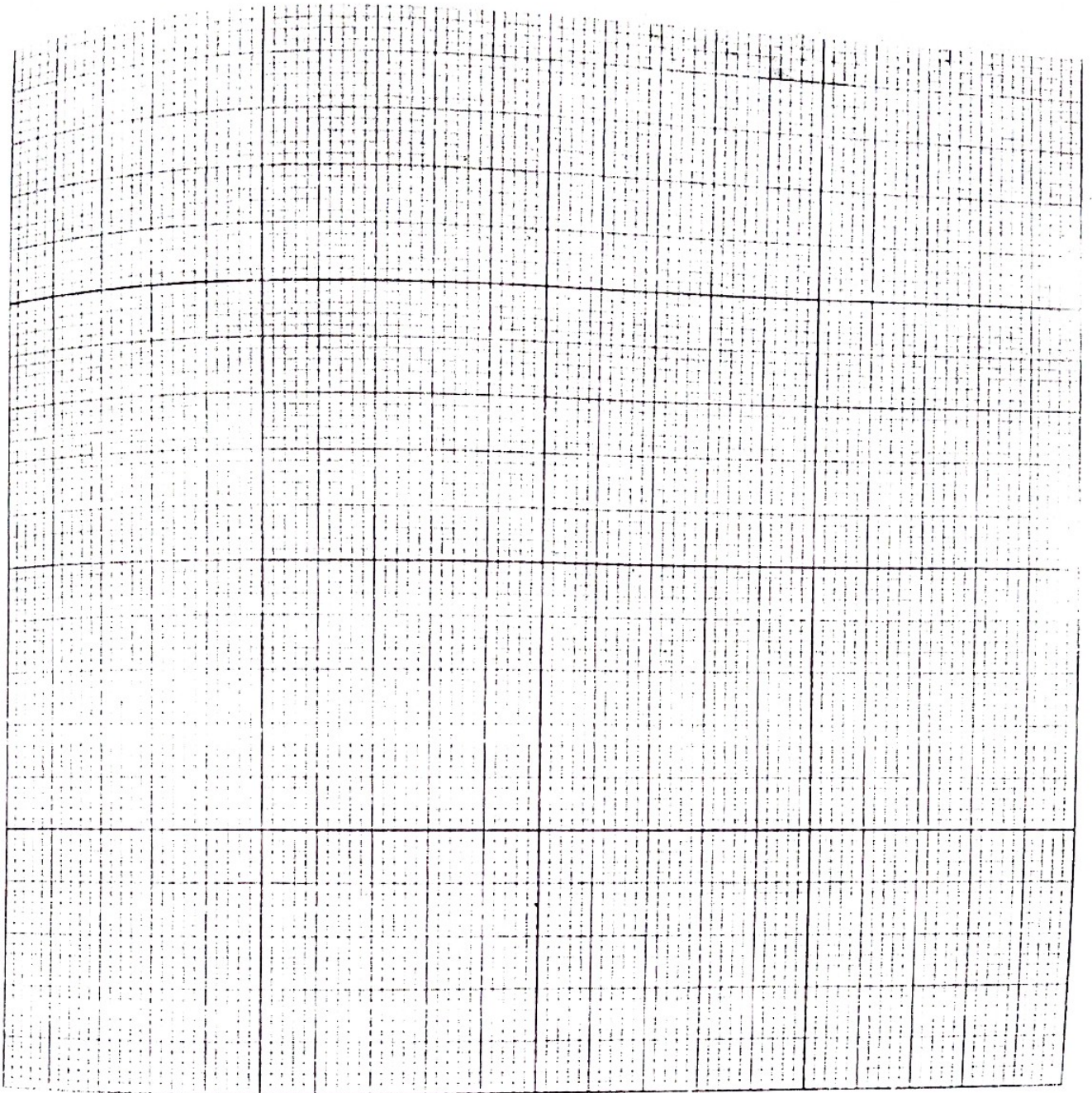
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ASSHU-KYENJOJO DISTRICT JOINT MOCKS 2024 " 3/6

[illegible]



(iii) Obtain the maximum heat produced by each base.

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