Candidate's Name	•••••••••••••••••••••••••••••••••••••••	••••••
Signature	Random No	Personal No
8	l/center name or number anywhere	

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CHEMISTRY



Paper 2 **2HOURS**

LIGHT EXAMINATIONS BUREAU(LEB)

"The Academic Epitome"

MOCK ASSESSMENTS 2024

Uganda Certificate of Education

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. Use blue or black ink. All working must be clearly shown.

Mathematical tables and silent nonprogrammable scientific calculators may be used. You are not allowed to use reference books(i.e.textbooks,booklets). Candidates are advised to carefully read the item, make sure they have all the apparatus and chemicals they may

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Item

Busiika Agrofarmers Limited is an agricultural company that has greatly relied on Potassium Nitrate to promote the quality and quantity of its agricultural produce. In one of its Agricultural workshops it organized in Mubende, it informed the members of the community that solubility of Potassium Nitrate increases with increase in temperature and hence requested them to always use warm water when preparing its solution for application in their gardens. The instructor received a phone call and was unable to finalize with his presentation. This left the farmers confused about the extent to which they should warm the water and what exact salt can readily dissolve if they were to take up this idea.

You are provided with; Substance C which are Potassium Nitrate crystals. BA₁ which is distilled water.

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(a). Design an experiment you would carry out to investigate how true the instructor's assertion was.

FND				
(c). Which final assertion can you give to these farmers that will leave them contented?				
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(b). Carry out the experiment and record your findings.				