

NAME: _____ STREAM: _____



Uganda Lower Certificate of Education
END OF TERM II EXAMINATIONS 2025

S1 CHEMISTRY

Paper 1

2 hours

Instructions:

- *All questions are compulsory*

SECTION A

1. (a) The Bunsen burner produces two types of flames depending on whether the air holes is closed or opened.

Name the type of flame produced when;

- (i) The air hole is closed. (01 mark)

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- (ii) The air hole is opened. (01 mark)

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- (b) Laboratory apparatus serve different uses. Name the best laboratory apparatus used for;

- (i) Measuring volume of solutions. (01 mark)

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(ii) Quenching fire in the laboratory.

(01 mark)

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2. (a) Mr. Bale put pollen grains in water and observed them through a microscope.

(i) State what was observed?

(1½ marks)

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(ii) Give a reason for your observation.

(1½ marks)

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(b) Name the scientific theory under investigation.

(1½ marks)

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(c) State the name of an important scientist who discovered that particle theory of matter.

(1½ marks)

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3. (a) Polythene is among the most common polymers used in the local community.

(i) Define a polymer.

(01 mark)

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(ii) Give two uses of polythene.

(02 marks)

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(b) Polythene is good but most of its problems on the environment is because it is non-biodegradable material. Why is polythene said to be non-biodegradable? (01 mark)

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4. Simon Peter, a senior Chemistry teacher at Wunna Memorial School while introducing the behavior of particles in three different states of matter told three groups to do the following.

Group 1: members sit or stand as closely as possible to (touching) each other, in neat rows, and moving your body, but without moving your feet.

Group 2: members move around but stand in contact with each other all the time.

Group 3: members move around and be as far from each other as possible. If you come from into contact, you must move away from each other immediately.

(a) Which physical state is represented by each group? (03 marks)

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(b) Give reasons for your answers. (06marks)

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SECTION B

5. Most of the materials used in everyday life are ceramics.

(a) What are ceramics? (2marks)

(b) Give four examples of ceramics and their uses. (08marks)

(c) Explain why ceramics are better than metallic ware. (10marks)

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