END TERM 3 2026

GRADE 10

ELECTRICITY

SUMMATIVE ASSESSMENT

TIME: 2 HOURS 30 MINUTES

Name:	_____
Assessment Number:	_____
Class / Stream:	_____
Date:	_____

INSTRUCTIONS TO CANDIDATES

- Write your name and assessment details in the spaces provided.
- Read all questions carefully before answering.
- Answer ALL questions.
- Show all working where calculations are required.
- Use appropriate units in calculations and standard electrical symbols in diagrams.
- Label diagrams clearly where required.
- Write answers in the spaces provided where applicable.
- Use clear and legible handwriting.
- Check that all pages and questions are present.

EXAMINER'S USE ONLY

Section	Question Numbers	Maximum Score	Candidate's Score
A	1–10	20	
B	11–15	30	
C	16–18	30	
D	19–20	20	
TOTAL		100	

SECTION A — FOUNDATIONAL STRUCTURED QUESTIONS

Answer all questions in this section.

1. State two reasons why knowledge of electrical safety is important when carrying out electrical tasks. **(2 marks)**

_____

_____

2. Distinguish between a conductor and an insulator, giving one example of each. **(2 marks)**

_____

_____

3. Differentiate between a primary cell and a secondary cell. **(2 marks)**

_____

_____

4. State the principle on which a capacitor operates and name one application of a capacitor. **(2 marks)**

_____

_____

5. Name two types of pictorial drawing used in engineering representation. **(2 marks)**