

SYLLABUS · TECHNICAL & TRADE · WASSCE 2026

Basic / Applied Electricity syllabus

Every examinable topic area in WAEC Basic / Applied Electricity, in one place — with how the papers are structured and answers to common questions. Compiled by waeccbt.com; not an official WAEC document.

How the papers work: Paper 1 — objective questions. Paper 2 — essay and practical questions.

1. Fundamentals

- Conductors and insulators
- Electric charge and current
- Ohm's law
- Resistors
- Circuits

2. Energy and Power

- Energy and power
- Electrical measurement
- Measuring instruments
- Cells and batteries

3. Magnetism and Machines

- Magnetism
- Electromagnetic induction
- Transformers
- Machines
- Motors and generators

4. Circuit Components

- Circuit components
- Capacitors
- Inductors
- Switches and controls

5. Installation and Safety

- Wiring practice
- Circuit protection
- Earthing
- Faults
- Electrical safety

Practise this syllabus free — timed CBT papers with instant marking:
waecbt.com/practice.html?subject=basic-electricity

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