ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 25 · 5 QUESTIONS

Electricity and Circuits — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **Hardcover books are stacked on a table. What force pulls them down?**

- A friction
- B gravity
- C air resistance
- D tension

Understand It with Pulse | Flag a mistake

2 **A current of 5 A flows for 10 seconds. How much charge flows?**

- A 50 C
- B 100 C
- C 60 C
- D 25 C

Understand It with Pulse | Flag a mistake

3 **A device works at 230 V with a current of 3 A. What is its power?**

- A 700 W
- B 1380 W
- C 690 W
- D 345 W

Understand It with Pulse | Flag a mistake

4 **A lamp runs at 24 V with a current of 5 A. What is its power?**

- A 60 W
- B 240 W
- C 130 W
- D 120 W

Understand It with Pulse | Flag a mistake

5

A component has a potential difference of 12 V across it and a current of 5 A through it. What is its resistance?

A 60 ohms

B 1.2 ohms

C 4.8 ohms

D 2.4 ohms

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. B
2. A
3. C
4. D
5. D

© 2026 Brett Robbins. All Rights Reserved.