ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY HIGHER · UNIT 3 · 5 QUESTIONS

Electric 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 to let Brett know so he can fix it.

1 **Glass marbles are shaken in a tray. What does this model?**

- A particles bonding together
- B particles disappearing completely
- C particles freezing into place
- D particles gaining energy

Understand It with Pulse | Flag a mistake

2 **What is the electric field between two parallel plates?**

- A zero in the middle
- B strongest at the edges
- C uniform
- D stronger near the positive plate

Understand It with Pulse | Flag a mistake

3 **A generator coil turns 5 times per second. How many turns is that in one minute?**

- A 300
- B 240
- C 360
- D 600

Understand It with Pulse | Flag a mistake

4 **A transformer has 100 turns on the primary coil and 50 turns on the secondary coil. What is the turns ratio?**

- A 3
- B 2
- C 4
- D 1

Understand It with Pulse | Flag a mistake

5

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

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

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.