ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY HIGHER · UNIT 3 · 10 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 **A guitar string is tightened. What happens to the pitch?**

- A it disappears
- B it rises
- C it stays the same
- D it falls

Understand It with Pulse | Flag a mistake

2 **Hardcover books are dropped. What happens to their speed as they fall?**

- A it becomes zero
- B it decreases
- C it stays the same
- D it increases

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3 **What is the unit of resistance?**

A the watt

B the ohm

C the volt

D the amp

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4 **Why can an insulator hold a static charge?**

A electrons cannot move through it

B it has no electrons at all

C it attracts charge from the air

D it is always charged

Understand It with Pulse | Flag a mistake

5 **A small positive charge is placed between two charged plates. Which way does the force on it point?**

- A at right angles to the plates
- B there is no force on it
- C from negative to positive
- D from positive to negative

Understand It with Pulse | Flag a mistake

6 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B impossible to tell
- C exactly normal
- D below normal

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7 **A lamp runs at 12 V with a current of 2 A. What is its power?**

- A 34 W
- B 48 W
- C 24 W
- D 12 W

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8 **Why does a coil in a motor keep turning?**

- A it reverses the current
- B the magnet flips over, north to south
- C the coil gets hotter
- D the battery runs down

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9

Why is a loudspeaker cone light?

A so it can vibrate easily

B so it looks nice

C so it does not fall down

D so it stays cool

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10

Which of these is a magnetic material?

A wood

B copper

C aluminium

D iron

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. B
4. A
5. D
6. A
7. C
8. A
9. A
10. D

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