ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 24 · 10 QUESTIONS

Magnetism and Electromagnetism — 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 **A yellow school bus carries children to school. Which blood vessel carries blood away from the heart, like a bus leaving the station?**

A an artery

B a capillary

C a ventricle

D a vein

Understand It with Pulse | Flag a mistake

2 **Hardcover books have mass. What is mass measured in?**

A joules

B watts

C kilograms

D newtons, the unit of force

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3 **A passenger aeroplane cruises. Which force opposes its motion?**

A weight

B lift

C drag

D thrust

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4 **A transformer has a primary voltage of 240 V. The number of turns on the secondary coil is 10 times smaller than on the primary coil. What is the secondary voltage?**

- A 250 V
- B 2400 V
- C 48 V
- D 24 V

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5 **In Fleming's left-hand rule, what does the thumb show?**

- A the force
- B the motion
- C the field
- D the current

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6 **A transformer has a primary voltage of 230 V. The number of turns on the secondary coil is 2 times smaller than on the primary coil. What is the secondary voltage?**

- A 115 V
- B 230 V
- C 240 V
- D 460 V

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7 **A guitar is plugged into an amplifier. What flows through the cable?**

- A water
- B sound waves travelling along it
- C light
- D electric current

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8 **A passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

- A white blood cells
- B red blood cells
- C plasma
- D platelets

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9 **What happens when two north poles are brought together?**

- A they neutralise
- B nothing happens
- C they attract
- D they repel

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10 **A generator coil turns 10 times per second. How many turns is that in one minute?**

- A 660
- B 540
- C 600
- D 1200

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ANSWER KEY

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

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