ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 13 · 10 QUESTIONS

Electromagnetic Induction — 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 passenger aeroplane cruises. Which force opposes its motion?**

- A drag
- B weight
- C thrust
- D lift

Understand It with Pulse | Flag a mistake

2 **A wristwatch ticks every second. How many ticks in a minute?**

- A 60
- B 12
- C 100
- D 30

Understand It with Pulse | Flag a mistake

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

- A a vein
- B a capillary
- C a ventricle
- D an artery

Understand It with Pulse | Flag a mistake

4 **A passenger train brakes. What force slows it down?**

- A thrust
- B friction
- C gravity, pulling it down
- D lift

Understand It with Pulse | Flag a mistake

5 **A calculator is switched on. What does the battery transfer energy to?**

A the screen only

B the case

C the buttons only

D the circuits

Understand It with Pulse | Flag a mistake

6 **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 24 V

B 2400 V

C 250 V

D 48 V

Understand It with Pulse | Flag a mistake

7 **A guitar string is tightened. What happens to the pitch?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

9 **A transformer has 100 turns on the primary coil and 20 turns on the secondary coil. What is the turns ratio?**

- A 6
- B 4
- C 5
- D 10

Understand It with Pulse | Flag a mistake

10 **A magnet sits still inside a coil. What potential is induced?**

- A a changing potential
- B a large potential
- C none
- D a small potential

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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