

Certified Electrical Apprentice Practice Test Questions and Answers

1. What is Ohm's Law and how is it applied in electrical circuits?

- A) Power = Voltage × Current ($P = V \times I$)
- B) Voltage = Current × Resistance ($V = I \times R$)
- C) Current = Power ÷ Voltage ($I = P \div V$)
- D) Resistance = Power × Voltage ($R = P \times V$)

2. Which wire gauge would typically be used for a 20-amp circuit?

- A) 14 AWG
- B) 12 AWG
- C) 16 AWG
- D) 18 AWG

3. What is the purpose of a ground fault circuit interrupter (GFCI)?

- A) To reduce electrical noise
- B) To protect against electrical shock by detecting ground faults
- C) To increase voltage
- D) To store electrical energy

4. Which safety practice is most important when working with electrical systems?

- A) Working faster to save time
- B) Lockout/Tagout procedures and verifying power is off
- C) Using any available tools
- D) Working alone for better concentration

Answers: 1-B 2-B 3-B 4-B

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