

Industrial Electronic Maintenance Technician Practice Test Questions and Answers

1. What is the primary function of a Variable Frequency Drive (VFD) in industrial applications?

- A) Increase voltage output
- B) Control motor speed and torque by varying frequency and voltage
- C) Convert DC to AC power
- D) Provide backup power during outages

2. Which instrument is most appropriate for measuring insulation resistance in motors?

- A) Multimeter
- B) Megohmmeter (Megger)
- C) Oscilloscope
- D) Clamp meter

3. What does PLC stand for in industrial automation?

- A) Power Line Controller
- B) Programmable Logic Controller
- C) Primary Load Circuit
- D) Protective Lockout Control

4. In troubleshooting a three-phase motor, what would indicate a possible bearing failure?

- A) High voltage readings
- B) Excessive vibration and unusual noise
- C) Low current draw
- D) Perfect balance in all phases

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

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