

ISA CAP Practice Test Questions and Answers

1. What is the primary goal of automation design?

- A) To completely replace human workers
- B) To improve efficiency, consistency, and reliability
- C) To increase system complexity without benefits
- D) To decrease production output

2. What is the role of a feedback loop in process control?

- A) To introduce random variations in process control
- B) To continuously monitor and adjust process variables
- C) To provide emergency shutdown only
- D) To eliminate the need for sensors and transmitters

3. What does the PDCA cycle stand for in quality management?

- A) Price, Demand, Cost, Assessment
- B) Plan, Do, Check, Act
- C) Prepare, Document, Certify, Approve
- D) Predict, Design, Create, Adapt

4. What is a common indicator of an automation system fault?

- A) Stable system performance
- B) Frequent system alarms
- C) Consistent power supply
- D) Regular preventive maintenance

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

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