

Bachelor of Science in Industrial Engineering Practice Test Questions and Answers

1. What is the primary goal of lean manufacturing?

- A) Increase workforce size
- B) Eliminate waste and improve efficiency
- C) Reduce product quality standards
- D) Increase inventory levels

2. In time and motion studies, what does the term "standard time" represent?

- A) The fastest possible completion time
- B) The time required by an average qualified worker under normal conditions
- C) The slowest acceptable completion time
- D) The break time between tasks

3. What does Six Sigma methodology primarily focus on?

- A) Increasing production speed
- B) Reducing process variation and defects
- C) Expanding market share
- D) Improving employee satisfaction

4. In operations research, what is linear programming used for?

- A) Employee scheduling only
- B) Optimizing resource allocation under constraints
- C) Quality control testing
- D) Market demand forecasting

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

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