



Free Questions for CPIM-ECO
Shared by Savage on 12-12-2023

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Question 1

Question Type: MultipleChoice

A kanban shop floor control system has which of the following characteristics?

Options:

- A- Large lot sizes
- B- Fixed routings
- C- Fixed worker assignments
- D- Forward scheduling



Answer:

B

Question 2

Question Type: MultipleChoice

Statistical process control is a technique primarily used to:

Options:

- A- implement mistake-proofing techniques.
- B- identify special-cause variation.
- C- reduce preventive maintenance.
- D- reduce the number of inspection steps.



Answer:

B

Question 3

Question Type: MultipleChoice

To decrease time to market for discrete products, it is most effective to improve which of the following phases?

Options:

- A- Product definition
- B- Product design
- C- Production
- D- Distribution

Answer:

B

Question 4

Question Type: MultipleChoice

A supplier of roller bearings makes lots of 10,000 and sorts them automatically according to size. In a typical lot of 10,000, the sizes break into the categories:

The product requires rollers on target or, at most, 0.0001 oversize. Experience indicates that 100% must be reinspected before use because the machine inspection lets a few defective units slip through. The supplier should be encouraged to take which of the following actions?

Options:

- A- Learn what factors cause variability.
- B- Tighten the inspection criteria.
- C- Seek deviations from Quality Control.
- D- Doubly inspect the rollers

Answer:

A

Question 5

Question Type: MultipleChoice

Which of the following terms describes a management technique used to evaluate planned changes to production processes?

Options:

- A- Analysis of variance
- B- Theory of constraints
- C- Design of experiments
- D- Design for manufacturability

Answer:

D

Question 6

Question Type: MultipleChoice



In process improvement, which of the following procedures should be done first?

Options:

- A- Assess employee productivity.
- B- Analyze process variances.
- C- Identify process steps.
- D- Establish priorities for process change.

Answer:

C

Question 7

Question Type: MultipleChoice



A company has implemented a corrective action to one of four production lines. Before implementing the change to the other lines, which of the following actions should be taken?

Options:

- A- Start an A3 process.
- B- Check the effectiveness of the change.
- C- Evaluate the define-measure-analyze-improve-control results.

D- Train employees on other lines.

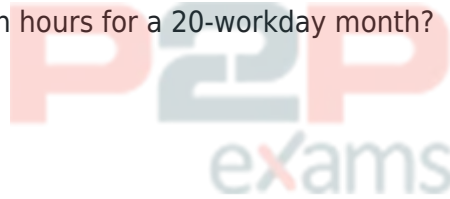
Answer:

B

Question 8

Question Type: MultipleChoice

What is the available capacity in hours for a 20-workday month?



Options:

A- 160

B- 180

C- 240

D- 320

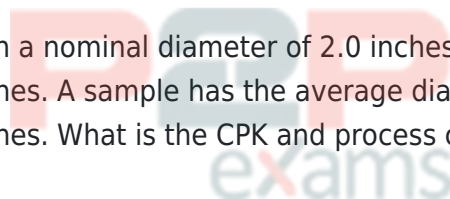
Answer:

B

Question 9

Question Type: MultipleChoice

A company produces a part with a nominal diameter of 2.0 inches and a tolerance of 0.006 with a standard deviation of 0.001 inches. A sample has the average diameter of 1.996 inches with a standard deviation of 0.001 inches. What is the CPK and process capability?



Options:

A- 0.667, capable

B- 0.667, not capable

C- 0.333, capable

D- 0.333, not capable

Answer:

B

Question 10

Question Type: MultipleChoice

Reducing design cycle time improves which of the following measures?

Options:

- A- Production throughput
- B- Return on investment (ROI)
- C- Manufacturability
- D- Quality



Answer:

B



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