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Lean Six Sigma Yellow Belt

Six Sigma LSSYB

Version Demo

Total Demo Questions: 9

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QUESTION NO: 1

A Belt working in a supply chain environment has to make a decision to change suppliers of critical raw materials for a new product upgrade. The purchasing manager is depending on the Belt's effort requiring that the average cost of an internal critical raw material component be less than or equal to $4,200 in order to stay within budget. Using a sample of 35 first article components, a Mean of the new product upgrade price of $4,060, and a Standard Deviation of $98 was estimated. Select the answer that best states the Practical Problem.

A. If the average cost per component is $4,200 or less, then the purchase manager will introduce the new product upgrade with new components.

B. If the average cost per component is greater than $4,200, then the purchase manager will introduce the new product upgrade with new components.

C. Only if the average cost per product upgrade is $4,060, will the purchase manager introduce new product upgrades with new components.

D. If the average cost per new product upgrade is less than $180, then the purchase manager will introduce the new product upgrade with new components.

ANSWER: C

QUESTION NO: 2

The RPN or Risk Priority Number is used to rank the various Failure Modes as to their impact on the output of the subject process.

A. True

B. False

ANSWER: A

QUESTION NO: 3

A Critical to quality tree (CTQs) is used to:

A. understand the P&L of the business

B. break-down broad customer requirements into more easily quantified elements.

C. break-down broad vendor requirements into more easily qualified elements.

D. break-down broad shareholder requirements into more easily qualified elements.

ANSWER: B

QUESTION NO: 4

Box Plot Graph is used to _____.

A. Identify outliers

B. Differentiate before and after Improvements

C. It is suited for time ordered data and parametric distribution.

D. A and C only

ANSWER: D

QUESTION NO: 5

When a Belt is analyzing sample data she should keep in mind that 95% of Normally Distributed data is within +/- 2 Standard Deviations from the Mean.

A. True

B. False

ANSWER: A

QUESTION NO: 6

With a Fishbone Diagram we use the legs to define each source of a potential defect and along the legs we enter each potential means by which a defect could be introduced into our process.

A. True

B. False

ANSWER: A

QUESTION NO: 7

The Cost of Poor Quality (COPQ) is comprised of which two of the following? (Choose two.)

A. Tangible (Visible) Costs

B. Input Costs

C. Production

D. Hidden Costs

ANSWER: A B

QUESTION NO: 8

Stability, Bias and Linearity define the _____ of a Measurement System.

A. Sensitivity

B. Repeatability

C. Accuracy

D. Precision

ANSWER: C

QUESTION NO: 9

Which of the following management tools could be used to rate the factors necessary to pass the CSSYB exam?

A. Interrelationship digraphs

B. Prioritization matrices

C. Tree diagrams

D. Affinity diagrams

ANSWER: B