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QUESTION 1

A process can be defined as a repetitive and systematic series of steps or activities where inputs are modified or assembled to achieve a _____ result.

A. Revenue total

B. Month end

C. Customer desired

D. Budgeted

Correct Answer: C

QUESTION 2

Lean focuses on the sequence of activities and work required to produce a product or a service. This flow is called a _____.

A. Value-add Flow

B. Production Map

C. Value Stream

D. Operating Procedure

Correct Answer: C

QUESTION 3

The Purchase Orders for Glenn Manufacturing Company were being copied by an employee and sent to four different departments yet only one department took an action based on the information in the PO. This is an example of _____.

A. External Failure Costs

B. Appraisal Costs

C. Internal Failure Costs

D. Prevention Costs

Correct Answer: C

QUESTION 4

According to a manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for

the employees to get to work when they use their personal vehicles for their office commute while management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. For the employees choosing to increase their chances to come on time using personal transportation their variation should be reduced to _____?

A. 1 minute

B. 6 minutes

C. 3.5 minutes

D. Eliminate it to 0.0 minutes

Correct Answer: C

QUESTION 5

Due to excessive pollution, GREEN Solutions Inc. is considering subsidizing public transportation to work for its employees. According to the manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. Assuming a Normal Distribution for the commute times by either personal or public transportation, which of these is true?

A. The probability that they would arrive on time using personal vehicles is much higher than using the metro public transportation system (MPTS)

B. The probability that they would arrive on time using the MPTS is much higher than using their personal vehicles

C. The two probabilities are about the same excepting in one case the consistency is higher than the other

D. We need to compile more data around weekends to incorporate for traffic differences

E. When Standard Deviation is higher the probability goes down and so the MPTS is worse

Correct Answer: B

QUESTION 6

The Regression Model for an observed value of Y contains the term ?o which represents the Y axis intercept when X = 0.

A. True

B. False

Correct Answer: A

QUESTION 7

In a Hypothesis Test for Means, a sample size of 20 has produced a Mean of 9.5 mm with a Standard Deviation of 0.5 mm. The customer specification on the part is 10 mm. At 5% significance level, what should the customer do?

A. Reject the lot

B. Accept the lot

C. State the population Mean is greater than 10 mm

D. Change their specification to 9.5 mm

Correct Answer: B

QUESTION 8

To create standardization of financial benefit calculations project savings are typically based on savings over what period of time?

A. 6 months

B. 12 months

C. 24 months

D. The remainder of the calendar year

E. The remainder of the fiscal year

Correct Answer: B

QUESTION 9

When creating a Cause and Effect Diagram the team needs to continually broaden their view as well as drill down until they identify all the potential _____ impacting their process.

A. Line operators

B. Root Causes

C. Inventory issues

D. Customer requests

Correct Answer: B

QUESTION 10

Measurement error is defined as the effect of all sources of measurement variability that caused an observed or measured value to deviate from the _____.

A. Standard Deviation

B. Mean

C. Median

D. True value

Correct Answer: D

QUESTION 11

While management of a company must set the stage for all improvement efforts, which of these 5S\\'s is primarily driven by management?

A. Straighten

B. Sort

C. Shine

D. Sustain

Correct Answer: D

QUESTION 12

Inferential Statistics is largely about Significance. There are both Practical and _____ Significance to consider during an analysis of data in a Lean Six Sigma project.

A. Problematic

B. Impractical

C. Usable

D. Statistical

Correct Answer: D

QUESTION 13

Use of the _____ approach is the most classic arrangement when constructing a Fishbone Diagram.

A. Chronological

B. 6M

C. 5M

D. Alphabetical

Correct Answer: B

QUESTION 14

Due to excessive pollution, GREEN Solutions Inc. is considering subsidizing public transportation to work for its employees. According to the manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. Assuming a Normal Distribution for the commute times by either personal or public transportation, which of these is true?

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D. We need to compile more data around weekends to incorporate for traffic differences

E. When Standard Deviation is higher the probability goes down and so the MPTS is worse

Correct Answer: B

QUESTION 15

The FMEA is used to analyze potential source of defects in the process of interest and stands for _____.

A. Failure Measure for Effective Automation

B. Failure Modes and Effect Analysis

C. Focused Mental Efforts Analyze

D. Failed Manufacturing Efforts Analyzed

Correct Answer: B