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LSSGB
LSSA Lean Six Sigma Green Belt

Questions And Answers PDF Format:

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Question: 1

What does takt time mean?
Response:

A. The average time between consecutive customer orders
B. The average time between consecutive order deliveries
C. The average time between order and delivery
D. The shortest time between consecutive customer orders

Answer: A

Question: 2

An X-bar and Range control chart is based on a sample size of 4. An operator mistakenly samples 2 parts instead of 4. The average and the range of the two observations are plotted on the control chart. Which statement best describes the effect of this mistake?
Response:

A. Increase the probability that the R chart shows an out-of-control condition
B. Increase the probability that the Xbar chart shows an out-of-control condition
C. Observations from a sample of 2 will always be nearer the center lines of the charts
D. Will not cause any misjudgments if the process is in control

Answer: B

Question: 3

What is the name of the procedure used to investigate two mutually exclusive statements about a population and in which information from a sample is used to make conclusions about the population?
Response:

A. Hypothesis testing
B. Design of Experiment (DOE)
C. Correlation analysis
D. Randomizing

Answer: A

Question: 4

When is an activity not value adding?
Response:

A. When a product undergoes a final inspection
B. When the activity contributes to the product or service
C. When the activity is done correctly the first time
D. When the customer is willing to pay for the activity

Answer: A

Question: 5

Who makes the project charter in a Lean Six Sigma project?
Response:

A. The Black Belt as board member
B. The Champion
C. The process owner
D. The project leader

Answer: D

Question: 6

Please read the following characteristics:
1. Producing the right items
2. Delivering the right items
3. In the right amounts
4. At the right time
What are the characteristics of Just in time (JIT)?
Response:

A. 1 and 3 only
B. 2 and 3 only
C. 1, 2 and 4 only
D. 1, 2, 3 and 4

Answer: D

Question: 7

A Lean Six Sigma project must be addressed in phases. The DMAIC roadmap is used to do this. What do the letters D, M and A in this abbreviation stand for?
Response:

A. Define, Manufacture, and Analyze
B. Define, Measure, and Activate
C. Define, Measure, and Analyze
D. Determine, Measure, and Analyze

Answer: C

Question: 8

Which is not an effective analytical technique used to determine the root cause of a problem submitted for corrective action?
Response:

A. Control charting
B. Data analysis
C. Operator observation
D. Pareto analysis

Answer: C

Question: 9

What is the sum of squared deviations from the sample mean divided by n-1?
Response:

A. Chi-square distribution with n-1 degrees of freedom
B. Population variance
C. Sample standard deviation
D. Sample variance

Answer: D

Question: 10

On a chicken farm, an automated egg inspector is used to sort out the eggs. The number of rejected eggs per 10 trays of 30 eggs is recorded. What is this type of data called?
Response:

A. Attribute data
B. Categorical data
C. Discrete data
D. Variable data

Answer: C

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