Latest Version: 6.0

Question: 1

One of the primary benefits of your team working together to create an X-Y Diagram is that the data collected from this exercise is accurate and certain.
Please choose the correct answer.
Response:

A. True
B. False

Answer: B

Question: 2

What is 'Little's' formula for calculating Average Lead Time?
Response:

A. Number of units required, multiplied by production capacity
B. Number of units required, divided by production capacity
C. Production capacity, divided by the number of units required
D. Production capacity, multiplied by number of units required

Answer: B

Question: 3

A concept that addresses the consistency of process workers is called _____?
Response:

A. Standard Operating Procedures
B. Supervising
C. Performance Drivers
D. Visual Factory

Answer: A

Question: 4

As a standard for a process to be at the 6 Sigma quality level, it must have?
Response:

A. Cp & Cpk >2
B. Cp & Cpk > 1.5
C. Cp >2.0 & Cpk >1.5
D. Cp >1.5 & Cpk >2.0

Answer: C

Question: 5

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.
Please choose the correct answer.
Response:

A. False
B. True

Answer: B

Question: 6

Why is the 'One-Factor-at-a-Time' (OFAT) approach inferior to the 'Design of Experiments' (DOE) approach?
Response:

A. Experiments are more complicated
B. Results are difficult to interpret
C. Interactions between factors are NOT revealed
D. Expert knowledge is needed

Answer: C

Question: 7

Which of the following are outcomes of implementing the 'Pull' principle?
1. Semi-finished products
2. Items made as they are needed
3. Minimal materials stocked

4. Reduced fluctuation
Response:

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

Answer: C

Question: 8

What metrics are considered first when deciding 'What to Measure' in a process?
Response:

A. Process functionality
B. Input requirements
C. Supplier capability
D. Customer requirements

Answer: D

Question: 9

What is the Process Capability index (Cp) formula where USL is the Upper Specification Limit, LSL is the Lower Specification Limit and S is the standard deviation?
Response:

A. $Cp = (USL - LSL) / 6S$
B. $Cp = (USL - LSL) / 3S$
C. $Cp = (LSL - USL) / 6S$
D. $Cp = (LSL - USL) / 3S$

Answer: A

Question: 10

5S Sorting: Items used weekly should be kept _____?
Response:

A. In a remote location
B. In a storage area

C. Within arm's reach
D. In a local location

Answer: D