

# DUMPS ARENA

## Lean Six Sigma Green Belt

Six Sigma LSSGB

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**QUESTION NO: 1**

Which of these statements describe an undesirable situation when implementing SPC? (Note: There are 2 correct answers).

- A. The lower Control Limit for the R chart is equal to zero
- B. The Control Limits are wider than the customer specification limits
- C. A process is in Statistical Control before implementation of SPC
- D. Attempt to use SPC for tracking transaction times at a warehouse
- E. Indication of the specification limits on the Control Chart

**ANSWER: B E****QUESTION NO: 2**

Fractional Factorial designs for an experimental approach are used when \_\_\_\_\_ about the multiple metric interaction in a process.

- A. Much is known
- B. Little is known
- C. We don't care
- D. Data exists

**ANSWER: B****QUESTION NO: 3**

The difference between the largest observation and the smallest observation in the data set is known as the \_\_\_\_\_.

- A. Breadth
- B. Range
- C. Spread
- D. Median

**ANSWER: B**

**QUESTION NO: 4**

Which statement(s) are true about the Fitted Line Plot shown here? (Note: There are 2 correct answers).

- A. When Reactant increases, the Energy Consumed increases.
- B. The slope of the equation is a positive 130.5.
- C. The predicted output Y is close to -18 when the Reactant level is set to 6.
- D. Over 85 % of the variation of the Energy Consumed is explained by the Reactant via this Linear Regression.

**ANSWER: C D**

**QUESTION NO: 5**

Examples of Mistake Proofing for a laptop computer include which of these? (Note: There are 2 correct answers).

- A. USB connection for a mouse
- B. Open/Close button for CD Drive
- C. Battery alignment pins
- D. On/Off switch for computer

**ANSWER: A C**

**QUESTION NO: 6**

For a Cpk value of 1.67 and Cp value of 1, what can be concluded?

- A. This process is centered but contains variation
- B. Process is well centered and variation is also low
- C. Process is not centered and has wide variation
- D. There is a calculation error

**ANSWER: B**

**QUESTION NO: 7**

Which element of waste best describes "the cost of an idle resource"?

- A. Waiting
- B. Motion
- C. Inventory
- D. Correction

**ANSWER: A**

**QUESTION NO: 8**

Multiple Linear Regressions (MLR) is best used when which of these are applicable? (Note: There are 3 correct answers).

- A. Non-linear relationships between the inputs X's and output Y
- B. Uncertainty in the slope of the linear relationship between an X and a Y
- C. Relationships between Y (output) and more than one X (Input)
- D. Preventing the use of a Designed Experiment if unnecessary
- E. We assume that the X's are independent of each other

**ANSWER: C D E**

**QUESTION NO: 9**

The following Business Case is constructed properly.

"During fiscal year 2008 the warranty returns for electric razor Model 312 were 1.3%. This represents a gap of 0.5% over target costing the company \$18,500 per month."

- A. True
- B. False

**ANSWER: A**

**QUESTION NO: 10**

The generation of a Regression Equation is justified when we \_\_\_\_\_. (Note: There are 4 correct answers).

- A. Expect the relationship to be Linear between the output and inputs
- B. Know that there is a non-linear relationship between output and input(s)
- C. Need to understand how to control a process output by controlling the input(s)
- D. Experience several process defects and have no other way to fix hem
- E. When it is very expensive or too late to measure the output

**ANSWER: A C D E**