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**Vendor:**ASQ

**Exam Code:**CSSGB

**Exam Name:**Six Sigma Green Belt

**Version:**Demo

**QUESTION 1**

A Belt experienced an Alpha of .05 and a Beta of .10 and knew these are the most common risk levels when running a Statistical test.

- A. True
- B. False

Correct Answer: A

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**QUESTION 2**

The value occurring most frequently in a data set.

- A. Mean
- B. Mode
- C. Variable Data
- D. Risk

Correct Answer: B

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**QUESTION 3**

A Six Sigma tool that helps to screen factors by using graphical techniques to logically subgroup multiple discrete X's plotted against a continuous Y is known as a \_\_\_\_\_ Chart.

- A. SIPOC
- B. Multi-Vari
- C. Box Plot
- D. Whisker

Correct Answer: B

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**QUESTION 4**

Skewed, or Mixed, Distributions occur when data comes from several sources that are supposed to be the same yet are not.

- A. True
- B. False

Correct Answer: A

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#### QUESTION 5

Which of the new quality management tools is used to organize facts and data about an unfamiliar subject or problem?

- A. The affinity diagram
- B. The header technique
- C. The AND diagram
- D. Matrix diagram

Correct Answer: A

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#### QUESTION 6

Explain how the coefficient pattern for a 2<sup>3</sup> full factorial design is used to estimate the effects of one interaction factor ( $X_iX_j$ ) on the CTQ.

Correct Answer: Multiply the signs of  $X_i$  and  $X_j$  to create a new variable,  $X_iX_j$ . Next, add up the values of the CTQ for which the interaction  $X_iX_j$  is +, then add up the values of the CTQ for which  $X_iX_j$  is -, finally, divide the difference of the sums by the number of plus signs.

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#### QUESTION 7

The X-Y Diagram is a tool used to identify/collate potential  $X$ 's and assess their relative impact on multiple  $Y$ 's.

- A. True
- B. False

Correct Answer: A

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#### QUESTION 8

The deviation of the measured value from the actual value is known as \_\_\_\_\_.

- A. Bias
- B. Linearity
- C. Repeatability

D. Movement

Correct Answer: A

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**QUESTION 9**

Which of the following is a commonly accepted level for alpha risk?

A. 0.05

B. 0.50

C. 0.70

D. 0.95

Correct Answer: B

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**QUESTION 10**

Inputs to a process that can be manipulated during experimentation.

A. Factors

B. Hypothesis Testing

C. Control Plan

D. Population

Correct Answer: A

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**QUESTION 11**

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

Correct Answer: B

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**QUESTION 12**

The Central Limit Theorem helps us understand the \_\_\_\_\_ we are taking and is the basis for using sampling to estimate population parameters.

- A. Analysis
- B. Kurtosis
- C. Risk D. Route

Correct Answer: C