Vendor:ASQ

Exam Code:CQE

Exam Name: Quality Engineer Exam

Version: Demo

QUESTION 1

In nonparametric statistics:

. No assumptions are made concerning the distribution from which the samples are taken. . The parameters of the distribution do not relate to the parameters of the sample. . The sample and the distribution must have no parameters in common.

A. I only

B. IIonly

C. IIIonly

D. IIandIIIonly

Correct Answer: A

QUESTION 2

An experiment with two factors, in which all levels of one variable are run at each level of the second variable, is called a

A. One-way experiment.

B. Latin square experiment.

C. Factorial experiment.

D. Fractional factorial experiment.

Correct Answer: C

QUESTION 3

What does a corrective action do to prevent an existing noncomformity, defect or undesirable situation from recurring?

A. Minimizes it.

B. Takes repercussions against those responsible.

C. Takes action against it.

D. Eliminates it.

Correct Answer: D

QUESTION 4

The probability of accepting a lot of unacceptable quality is known as

A. Alpha risk.

B. 1-beta.

C. Producer\\'s risk.

D. Beta risk.

Correct Answer: D

QUESTION 5

As a commonly used problem solving technique, which of the following would be the BEST application of a Pareto chart?

. To determine when to make proactive adjustments to a process. . To differentiate between major and minor problem areas. . To gather data and to design experimental controlled changes. . To evaluate the results of other problem solving techniques upon the product or service.

A. I andIIonly

B. IIandIIIonly

C. IIandIVonly

D. I,II,IIIandIV

Correct Answer: C

QUESTION 6

Which table should be used to determine a confidence interval on the mean when standard deviation is NOT known and the sample size is 10?

A. z

B. t

C. F

D. Chi-Square

Correct Answer: B

QUESTION 7

Findings and observations are audit terms. The best relationship between these terms is which of the following?

A. Observations are broader in scope than findings.

B. Observations are seen; findings are discovered.

C. Observations generally support findings.

D. Findings are reported in writing, observations are reported verbally.

Correct Answer: C

QUESTION 8

When planning quality control functions, which one of the following is MOST directly related to production of a quality product?

A. Process control and process capability.

B. Suitable blueprints.

C. Dimensional tolerancing.

D. Product audits.

Correct Answer: A

QUESTION 9

The ideal results of a quality training effort would NOT include which of the following?

A. Increased cost-of-quality results.

B. Improved working methods and morale.

C. Increased productivity and job satisfaction.

D. Reduced defects and employee turn-over.

Correct Answer: A

QUESTION 10

What percentage of the area under the standard normal curve is included within (+/-) 1.5 standard deviations from 0?

A. 0.8664

B. 0.7500

C. 0.6680

D. 0.9332

Correct Answer: A

QUESTION 11

Which of the following quantitative methods does NOT apply to the assessment of actual system/ component reliability?

A. Statistical analysis of field test and failure data.

B. Statistical allocation of reliability goals.

C. Evaluation of laboratory test data.

D. Analysis of results of reliability demonstration tests.

Correct Answer: B

QUESTION 12

What order do the following corrective action steps normally take for nonconforming product?

. Analyze the problem.

. Assign responsibility.

. Take preventive action.

. Evaluate potential importance.

. Investigate possible causes.

A. I,II,V,IV,III

B. II,IV, V,I,III

C. V,II,IV,I,III

D. II,I,IV, V,III

Correct Answer: B