Vendor:ASQ

Exam Code:CQE

Exam Name: Quality Engineer Exam

Version: Demo

QUESTION 1

Which of the following quality system provisions is of the greatest concern when preparing an audit checklist for a vendor qualification system audit?

A. Drawing and print control.

B. Makeup of the MRB

C. Training level of inspectors.

D. Calibration of test equipment.

Correct Answer: D

QUESTION 2

Of the problem solving categories below, what is the usual sequence?

1.

Select a problem needing improvement.

2.

Collect data.

3.

Implement the solution.

4.

Determine if project is appropriate.

5.

Study current procedures.

6.

Determine candidates for data collection.

7.

Analyze data.

8.

Solve the problem.

A. 1, 4, 5, 6, 3, 8, 2, 7

B. 1, 5, 4, 6, 2, 7, 8, 3

C. 1, 5, 6, 2, 4, 8, 7, 3

D. 4, 1, 5, 6, 2, 7, 8, 3

Correct Answer: B

QUESTION 3

When used together for variables data, which of the following pair is the MOST useful in preparing control charts?

A. AQL, p-bar

B. p, n

C. X-bar and R

D. R, sigma

Correct Answer: C

QUESTION 4

What are the major disadvantages of having an improvement team that is too large?

. Difficulty in having constructive input from the entire group.

. Difficulty in arriving at consensus.

. Difficulty in finding large meeting facilities.

. Difficulty, on the part of the recorder, in keeping up with more paperwork.

A. Ionly

B. IandIIonly

C. I,IIandIIIonly

D. I, II,IIIandIV

Correct Answer: B

QUESTION 5

A graph of a data set, composed of a series of rectangles, each proportional in width to the range of values in a class and proportional in height to the number of items or fraction of items falling in these classes, is called which of the following?

A. Histogram.

B. Raw data.

C. Ogive.

D. Venn diagram.

Correct Answer: A

QUESTION 6

Which of the following distributions models events that have 2 possibilities on each trial?

A. Normal.

B. Poisson.

C. Binomial

D. gamma.

Correct Answer: C

QUESTION 7

A bin contains 40 pills with a weight of 3.1 gm. each, 30 pills weighing 3.2 gms each and 10 pills weighing

3.3 gms each. The weight of an average pill is found from

A. $\frac{3.1 + 3.2 + 3.3}{3}$

B. $\frac{(3.1)(40) + 3.2(30) +}{3}$

C. $\frac{(3.1 + 3.2 + 3.3)(10 +}{80}$

D. $\frac{(3.1)(40) + 3.2(30) +}{80}$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 8

A company is planning to completely change its employee performance, appraisal and reward system. Which of the following is NOT viable for consideration in the new system?

A. Integrating subordinate, peer, customer, and self-evaluations with supervisory ratings.

B. Using continuous improvement, quality and customer satisfaction as key criteria.

C. Requiring work team or group evaluations that are equal in emphasis to individual evaluations.

D. Requiring less frequent performance reviews, but utilizing many rating categories.

Correct Answer: D

QUESTION 9

What is the key ranking difference between the Deming philosophy and the Malcolm Baldrige award criteria?

A. Deming prescribes "all or nothing" propositions but MBNQA ranks categories with different weights.

B. The MBNQA ranks "business results" and "customer focus", but Deming does not consider theseitems.

C. The MBNQA has seven categories compared to Deming\\'s 14 points.

D. There is no recognized rating system for the MBNQA.

Correct Answer: A

QUESTION 10

An X-bar and R chart was prepared for an operation using twenty samples with five pieces in each sample; X-bar was found to be 33.6 and R-bar was 6.20. During production, a sample of five was taken and the pieces measured 36, 43, 37, 25, and 38. At the time, this sample was taken:

A. Both the average and range were within control limits.

B. Neither the average nor range were within control limits.

C. Only the average was outside control limits.

D. Only the range was outside control limits.

Correct Answer: D

QUESTION 11

Of the services listed below, which one performed by design engineering is of particular interest to QA personnel?

A. Audit reports.

B. Cost reports.

C. Change action.

D. Rework criteria.

Correct Answer: C

QUESTION 12

Regardless of the distribution of the individuals, the distribution of the average of n samples will follow which distribution as n becomes large?

A. Normal

B. Poisson.

C. Exponential.

D. Lognormal.

Correct Answer: A