

ASQ CQT

ASQ Certified Quality Technician

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Question: 1

Audits conducted on, or on behalf of, the organization itself for management review are called:
Response:

- A. Second-party Audits
- B. Joint Audits
- C. Third-party Audits
- D. First-party Audits

Answer: D

Question: 2

When dial indicators are used, the most common cause of cosine error is the result of the
Response:

- A. operator viewing the dial at an angle
- B. operator not counting the number of revolutions the dial has made
- C. indicator tip being at an angle to the surface being measured
- D. indicator not being referenced to a calibrated surface

Answer: C

Question: 3

A customer rejected an entire lot of material for a quality defect. Which of the following corrective action steps shown below would be performed last?
Response:

- A. Determine proposed permanent corrective actions.
- B. Form a team to investigate the issue.
- C. Containment of any other defective product.
- D. Implement a short-term corrective action.

Answer: A

Question: 4

A material review board has which of the following activities?

Response:

- A. Determines how nonconforming materials will be dispositioned
- B. All of the above
- C. Monitors inventory to ensure turns are adequate
- D. Selects and monitors suppliers of raw materials

Answer: A

Question: 5

A design team has been working on an FMEA. The team identified several potential forms of failure, determined the causes of the potential failure, and developed action plans to prevent their occurrence. After implementing the preventive action plans, the team calculates a new risk priority number.

Which step best describes a verification of the preventive action?

Response:

- A. Identifying potential causes of failure
- B. Calculating a new risk priority number
- C. Determining the potential causes of failure
- D. Developing an action plan to prevent occurrence

Answer: B

Question: 6

Calculate the mode of the following data set:

3 4 5 6 6 6 7 3 2 7 8 7 8 8 8 8 9

Response:

- A. 9
- B. 5
- C. 6
- D. 8

Answer: D

Question: 7

Your widget supplier has sent you 15 lots which were accepted. Production is steady. Based on the rules in ANSI/ASQC Z1.4, what is the course of action you can take with your sampling plans?

Response:

- A. Switch to a reduced sampling plan
- B. Change to skip lot sampling
- C. Perform 100 percent sampling on the next five lots received
- D. Stop sampling and accept upon receipt

Answer: A

Question: 8

This decision-making technique has each member of a team rank-order options from most preferred to least preferred is:

Response:

- A. Nominal group technique
- B. Consensus
- C. Majority voting
- D. Multi-voting

Answer: A

Question: 9

The data captured is analyzed statistically to obtain nest measurement capability, which is expressed as an uncertainty with a coverage factor of $k = 2$ to approximate 95 percent is a description of which of the following?

Response:

- A. Systemic error
- B. Standard uncertainty
- C. Gage R&R
- D. Test uncertainty ratio (TUR)

Answer: C

Question: 10

Which of the following is the best definition of corrective action?

Response:

- A. Action taken to eliminate the cause of a detected nonconformance or undesirable situation.
- B. Action taken to eliminate the cause of an existing nonconformance to prevent recurrence and a detected nonconformance or undesirable situation.
- C. Action taken to increase effectiveness and efficiency.
- D. Action taken to eliminate the cause of an existing nonconformance to prevent recurrence.

Answer: B

Question: 11

Suppose that six bad golf balls get mixed up with eight good golf balls. If two balls are drawn simultaneously, what is the probability that both are good?

Response:

- A. 0.3077
- B. 0.1563
- C. 0.2857
- D. 0.3956

Answer: A

Question: 12

In the calibration chain, the gage block used to check the calibration status of a micrometer would be referred to as:

Response:

- A. Level 3 or functional standard
- B. Level 2 or calibration standard
- C. Level 4 or reference standard
- D. Level 1 or working level

Answer: A

Question: 13

Comparative testing of finish that involves using finger-feel against a known standard is known as what kind of test?

Response:

- A. Touch-feel finish examination
- B. Sandpaper
- C. Fingernail comparator
- D. Roughness comparison

Answer: C

Question: 14

A 10% consumer's risk for an AQL sampling plan is determined from what area of the OC curve?
Response:

- A. Between middle and upper portions of curve
- B. Middle of the curve
- C. Upper portion of the curve
- D. Lower portion of the curve

Answer: D

Question: 15

Which of the following is the best definition of a flow chart?
Response:

- A. A diagram used to structure ideas into useful categories
- B. An illustration used to analyze variation in a process
- C. A picture used to separate steps of a process in sequential order
- D. An analytical tool used to clarify opposing aspects of a desired change

Answer: C

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