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Courses » Total Quality Management - I

Announcements **Course** Ask a Question Progress Mentor FAQ

Unit 4 - Week 3-Tools for Quality Assurance

Course outline

How to access the portal & Assignment - 00

Week-1
Introduction to Total Quality Management

Week
2-Introduction to Total Quality Management - II

Week 3-Tools for Quality Assurance

7 Old Tools for Quality Assurance

7 New Tools for Quality Assurance

CPM, PDPC and Introduction To House of Quality

Building the House of Quality

Introduction to Acceptance Sampling

Assignment - 03

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2018-09-05, 23:59 IST.**

1) Which Statistical Process Control tool provides an accurate representation of the distribution of a continuous variable? **1 point**

- Cause and Effect Diagram
- Check List
- Histogram
- Pareto Chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

Histogram

2) In quality control, it often represents the most common sources of defects, the highest occurring type of defect, or the most frequent reasons for customer complaints, and so on. The purpose of the _____ is to highlight the most important among a (typically large) set of factors. **1 point**

- Cause and Effect Diagram
- Check List
- Histogram
- Pareto Chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

Pareto Chart

3) Tree Diagrams are used when **1 point**

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Week 4 - Acceptance Sampling and Brief Introduction to R

Week 5 - Control Charts for Variables

Week 6 - Control Charts for Attributes

Week 7 - Process Capability Analysis and ISO 9000 basics

Week 8 - Basic of ISO 9000, CUSUM and EWMA charts

Slides and Reading

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No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

4) The relations diagram shows cause-and-effect relationships. They are used: **1 point**

- when trying to understand links between ideas or cause-and-effect relationships
- when a simple solution is being implemented.
- before generating an affinity diagram or cause and effect diagram.
- None of these.

No, the answer is incorrect.

Score: 0

Accepted Answers:

when trying to understand links between ideas or cause-and-effect relationships

5) The process decision program chart (PDPC) **1 point**

- determining best schedule for the entire project.
- systematically identifies what might go wrong in a plan under development.
- shows the relationship between two, three or four groups of information and also establishes strength of relationship and roles played.
- analyses verbal data such as survey.

No, the answer is incorrect.

Score: 0

Accepted Answers:

systematically identifies what might go wrong in a plan under development.

6) Quality Function Deployment (QFD) is largely focused on: **1 point**

- To reduce the number of parts in a product
- Testing the robustness of a design
- Reducing costs and preventing unnecessary costs prior to production
- Ensuring that the eventual design of a product or service meets customer needs

No, the answer is incorrect.

Score: 0

Accepted Answers:

Ensuring that the eventual design of a product or service meets customer needs

7) When Quality Function Deployment (QFD) is NOT appropriate to apply? **1 point**

- Poor communications and expectations get lost in the complexity of product development.
- Lack of structure or logic to the allocation of product development resources.
- Presence of an efficient and / or effective product / process development teamwork.
- Extended development time caused by excessive redesign, problem solving, or firefighting.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Presence of an efficient and / or effective product / process development teamwork.

8) The quality function deployment (QFD) process begins with: **1 point**

- Technical design parameters

- Customer wants and needs
- Quality control requirements
- Target component characteristics

No, the answer is incorrect.

Score: 0

Accepted Answers:

Customer wants and needs

9) In the house of quality, HOWS are

1 point

- actual measures of performance
- performance goals
- technical terms for the way WHATS will be achieved
- the importance ranking of the WHATS

No, the answer is incorrect.

Score: 0

Accepted Answers:

technical terms for the way WHATS will be achieved

10) The sequence in which the 4 HOUSES of QUALITY appear:

0 points

- Design Attributes \Rightarrow Component Attributes \Rightarrow Process Operations \Rightarrow Quality Control Plan
- Design Attributes \Rightarrow Component Attributes \Rightarrow Process Operations \Rightarrow Quality Control Plan
- Design Attributes \Rightarrow Process Operations \Rightarrow Component Attributes \Rightarrow Quality Control Plan
- Design Attributes \Rightarrow Quality Control Plan \Rightarrow Component Attributes \Rightarrow Process Operations

No, the answer is incorrect.

Score: 0

Accepted Answers:

Design Attributes \Rightarrow Component Attributes \Rightarrow Process Operations \Rightarrow Quality Control Plan

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