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Courses » Total Quality Management - I

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Unit 7 - Week 6 - Control Charts for Attributes

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

Week 4 - Acceptance Sampling and Brief Introduction to R

Week 5 - Control Charts for Variables

Week 6 - Control Charts for Attributes

S square chart and MR chart

Attribute charts- The p chart

Assignment - 06

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2018-09-19, 23:59 IST.**

1) Which of the following control charts should be used first in an actual statistical quality control program? **1 point**

- x-bar chart
- c chart
- x chart
- s chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

s chart

2) Which Chart is necessary in the following situations: **1 point**

- I. Where automation allows inspection of each unit, so rational subgrouping has less benefit.
- II. Where production is slow so that waiting for enough samples to make a rational subgroup unacceptably delays monitoring.
- III. For processes that produce homogeneous batches (e.g., chemical) where repeat measurements vary primarily because of measurement error.

- S-square Chart
- Moving Range Control Chart
- S Chart
- X-bar Chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

Moving Range Control Chart

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Quiz :
Assignment -
06

Assignment -
06 (Solution)

WEEK 6 -
FEEDBACK -
Total Quality
Management - I

Week 7 -
Process
Capability
Analysis and
ISO 9000 basics

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

Slides and
Reading

DOWNLOAD
VIDEOS

- 44
- 3.75
- 0.0917
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.0917

4) Compute the standard error of p-bar.

1 point

- 0.0456
- 0.0841
- 0.09375
- None of These

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.0456

5) Based on the p chart, is this process in control?

1 point

- No, two sample proportions are outside the limits
- No, exactly one sample proportion is outside the limits
- Yes, it is in control
- Insufficient information to determine

No, the answer is incorrect.

Score: 0

Accepted Answers:

No, exactly one sample proportion is outside the limits

6) Which control chart makes use of the Poisson distribution?

1 point

- x-bar chart
- s chart
- R chart
- c chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

c chart

7) One type of control chart for attributes is a

1 point

- x-bar chart.
- p-chart.
- CPK chart.
- R-chart.

No, the answer is incorrect.

Score: 0

Accepted Answers:*p-chart.*

8) Twenty samples of size 100 are taken. The total number of defective items is 75. What is the UCL of the 3-sigma ($z = 3$) p-chart? **1 point**

- 0.165
- 0.094
- 0.793
- 0.0375

No, the answer is incorrect.**Score: 0****Accepted Answers:***0.094*

9) A customer service hotline has received an average of 7 complaints a day for the last 25 days. What type of control chart should be used to monitor this hotline? **1 point**

- c-chart
- p-chart
- X-bar chart
- R-chart

No, the answer is incorrect.**Score: 0****Accepted Answers:***c-chart*

10) For the last 30 days, the number of mistakes on the daily report has averaged 4.5. What would the UCL be if a 3-sigma c-chart was constructed? **1 point**

- 7.5
- 10.86
- 18
- 2.12

No, the answer is incorrect.**Score: 0****Accepted Answers:***10.86*[Previous Page](#)[End](#)

