

Unit 13 - week 12

Course outline

How does an NPTEL online course work?

week 1

week 2

week 3

week 4

week 5

week 6

week 7

week 8

week 9

week 10

week 11

week 12

Lecture 56:Quality Control: SPC II

Lecture 57:Quality Control: Control Charts

Lecture 58:Quality Control: Control Charts II

Lecture 59:Quality Control: Control Charts for Attributes

Lecture 60:Productivity & Work Study

Quiz : Assignment 12

Solution of Assignment 12

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Weekly Feedback

Assignment 12

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-22, 23:59 IST.

Assignment 12

1) A natural variation which is inherent to the process during manufacturing of a product is termed as 1 point

- Chance variation
 Assignable variation
 Special variation
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Chance variation

2) Control charts for attributes help into 1 point

- Accessing the quality performance of system
 Drawing attention of management for changing the quality
 Suggest quality characteristic to develop x bar and R-charts
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

3) C-charts are plotted in case where 1 point

- Sample size is fixed
 Sample size is variable
 In both cases i.e. fixed and variable
 It does not depend on the sample size, whether fixed or variable

No, the answer is incorrect.
Score: 0

Accepted Answers:
Sample size is fixed

4) Which of the following sample size exceed the limit of proportion defective in P-chart 1 point

Days	Sample size	Defective
1 st	150	11
2 nd	200	9
3 rd	250	13
4 th	100	11
5 th	90	12
6 th	160	11

- 1st
 3rd
 5th
 6th

No, the answer is incorrect.
Score: 0

Accepted Answers:
5th

5) Work measurement technique includes 1 point

- Standard data method
 Predetermined time motion study
 Work sampling
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

6) The correct statement for chance variation (in SPC) is 1 point

- These lead to minor variation
 Most of the time, chance variation lead to rejection of the product
 These can be easily prevented
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
These lead to minor variation

7) Mean control charts are sensitive to 1 point

- Change in process dispersion
 Shift in the process mean
 Average range of the different samples
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Shift in the process mean

8) Basic work in work study to produce an item composed of 1 point

- Maximum time under given set of conditions
 Minimum time under given set of conditions
 Ineffective time
 Maximum time with allowance

No, the answer is incorrect.
Score: 0

Accepted Answers:
Minimum time under given set of conditions

9) Control chart of variables indicates 1 point

- The process is under control or out of control
 When to leave the process alone
 When to take corrective action
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

10) Time to produce a product includes 1 point

- Time consumed to do the basic work only
 Time consumed to do the added work only
 Time consumed to do the basic and added work only
 Time consumed to do the basic and added work as well as ineffective time

No, the answer is incorrect.
Score: 0

Accepted Answers:
Time consumed to do the basic and added work as well as ineffective time