

Unit 08: Statistical Quality Control

1. _____, the use of statistical methods in the monitoring and maintaining of the quality of products and services

Statistical quality
control

Standard quality
control

Symmetry quality
control

None of these

2. _____uses sampling and statistical methods to monitor the quality of an ongoing process such as a production operation.

Statistical process
control

Statistical quality
control

Standard quality
control

Symmetry quality
control

3. The _____ is a graph used to study how a process changes over time

Control chart

Carrier chart

Histogram

Bar chart

4. _____is not suitable for continuously monitoring the process.

Control chart

Histogram

Both of these

None of these

5. The chart is particularly advantageous when your sample size is relatively small and constant.

xbar and r chart

xbar and s chart

X chart

Y chart

6. _____ chart is a pair of control charts used with processes that have a subgroup size of two or more

xbar and r chart

xbar and s chart

X chart

Y chart

7. X Bar S charts often used control chart to examine the process mean and standard deviation over the time

xbar and r chart

xbar and s chart

X chart

Y chart

8. These charts are used when the subgroups have large sample size

xbar and r chart

xbar and s chart

X chart

Y chart

9. _____charts plots the subgroup standard deviation

xbar and r chart

xbar and s chart

X chart

Y chart

10. _____charts plots the subgroup Range

xbar and r chart

xbar and s chart

X chart

Y chart

11. Which chart to use when your subgroup sizes are 9 or greater

xbar and r chart

xbar and s chart

X chart

Y chart

12. _____ is a quality control chart used to monitor the proportion of nonconforming units in different samples of size n .

xbar and r chart

xbar and s chart

P chart

Y chart

13. The _____ is a quality control chart used to monitor the count of nonconforming units in fixed samples of size n .

xbar and r chart

xbar and s chart

NP chart

Y chart

14. A _____ is an attributes control chart used with data collected in subgroups that are the same size

xbar and r chart

xbar and s chart

C chart

Y chart

15. _____ requires that each subgroup's sample size be the same and compute control limits based on the Poisson distribution.

xbar and r chart

xbar and s chart

C chart

Y chart