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Exam : CSSBB

Title : Six Sigma Black Belt Certification - CSSBB

Version : DEMO

1.Control Charts were developed by Dr. Shewhart to track data over time. To detect Special Cause variation the Control Charts use which of these?
A. Data shift analysis
B. Outlier analysis methods
C. Center Line and Control Limits
D. None of the above
Answer: C

2.A _____ is used primarily to track the stability of the average value of a metric of interest.
A. NP Chart
B. Xbar-R Chart
C. I-MR Chart
D. C Chart
Answer: B

3.Common and _____ Cause Variation are the focus of Statistical Process Control.
A. Uncommon
B. Ordinary
C. Special
D. Selective
Answer: C

4.In a good Measurement System the most variation will be with part-to-part measurements.
What should you do if the majority of variation is associated with the Gage R&R assuming the gage is technically capable?
A. Focus on fixing the Repeatability and Reproducibility of the measurement device
B. Purchase a new machine
C. Focus on trimming the Part-to-Part variation
D. Run another MSA test with the machine
Answer: A

5.Which statement(s) are incorrect about Fractional Factorial Designs?
A. A Half Fractional Design for 5 factors has the same number of experimental runs as a Full Factorial Design for 4 factors assuming no repeats or replicates or Center Points
B. Quarter Fractional experiments can exist for those with 4 factors
C. Resolution V design is desired while controlling costs of experimentation
D. Half Fractional experiments do not exist for those designs with only 2 factors
Answer: C