Assignment 9

While designing a variable sampling plan with the strategy of controlling process variability for a specific characteristic, which control specification limits and specified process variability deviation, the desirable features are:

a. Simple, fixed, and type I and type II error rate
b. Simple, fixed, and type II error rate

Which designing a variable sampling plan to control process parameters, what condition should be specified:

- Normal quality and process within specification limits
- Normal process within specification limits
- Normal quality and process within specification limits
- Normal process within specification limits
- None of the above

The application of variable sampling plans is limited. The main reasons are:

- Poor process control by the batch variation and specification limits
- Poor quality control by the batch variation and specification limits
- Poor process control by the batch variation and specification limits
- Poor quality control by the batch variation and specification limits
- None of the above

Process method for a variable sampling plan is used only when:

- When variable limits for the quality characteristic to make decisions
- When variable limits for the quality characteristic to make decisions
- When variable limits for the quality characteristic to make decisions
- When variable limits for the quality characteristic to make decisions
- None of the above

For determination of the parameters of a variable sampling plan with the objective of controlling process parameters, in the case of batch specification limits and desired decision criteria, the following conditions must be specified:

- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- None of the above

When the parameters of variable sampling plans with the objective of controlling process parameters, for the given quality characteristic limits and desired decision criteria, the following conditions must be specified:

- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- a, b, c, d, e, f, g, h, i, j
- None of the above