

Unit 9 - Week 7

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Assignment 7

The due date for submitting this assignment has passed. **Due on 2020-03-18, 23:59 IST.**
 As per our records you have not submitted this assignment.

- 1) Sampling inspection, in comparison with 100% inspection is suggested for an item or a component due to the following benefit 2 points
- It is more economical
 - It reduces inspection error
 - It is used in case the inspection is destructive
 - All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 d.
- 2) When the production rate of a component is very high, sampling inspection is allowed only when 2 points
- There is manual inspection
 - There is automated inspection
 - Cost of allowing a unit of the product not inspected may be very high
 - None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 a.
- 3) Attributes sampling plans are used widely as 2 points
- They are quality characteristic- specific
 - They are not quality characteristic-specific
 - They are developed on restrictive assumptions
 - The problem of data collection is predominant
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 b.
- 4) In any sampling plan, there is a risk of accepting a 'bad' quality lot. This risk is referred to as 2 points
- Producer's risk
 - Consumer's risk
 - Acceptable Quality Level
 - Limiting Quality Level
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 b.
- 5) A Type-A OC curve as a performance measure for a sampling plan is recommended when 2 points
- Decision on acceptance or rejection is to be made on a series of lots
 - An isolated single lot is to be inspected
 - Only a first few lots are to be inspected
 - 100% inspection is recommended
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 b.
- 6) A Type-B OC curve is recommended as a performance measure, for 2 points
- An isolated single lot
 - Lot acceptance or rejection
 - Rectifying inspection
 - A series of lots to be inspected
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 d.
- 7) A single sampling plan is considered 'equivalent' to a multiple sampling plan if 2 points
- Sample sizes for all the plans are same
 - Average number of units inspected in all the samples is same
 - AQL and LQL for all plans are same
 - Probability of accepting a lot for both the sampling plans is same for a given incoming lot quality
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 d.
- 8) The shape of an OC curve for a single sampling plan under attributes category is dependent on: 2 points
- Sample size
 - Acceptance number
 - Sample size and acceptance number
 - Lot size and sample size
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 c.
- 9) A chain sampling plan is recommended when 2 points
- Sample size is small and only one lot is to be inspected
 - Sample size is small and a series of lots is to be inspected
 - There is destructive inspection
 - The decision to accept or to reject is based on inspection results of the previous samples drawn from the lots
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 b.
- 10) In respect of an ATI curve, identify the correct statement, among the four statements, given below 2 points
- Average number of units inspected can be assessed from the ATI curve
 - Lots that are under rectifying inspection can be identified
 - ATI varies from the sample size to the lot size
 - All of the above statements
- a.
 b.
 c.
 d.
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
 c.