

Intro to Newsvendor Model and Applications In Semiconductors - Quiz

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- 1) The Newsvendor model is a mathematical model used to determine optimal _____.
 - A. Demand
 - B. Inventory
 - C. Cost
- 2) The demand for newspapers in the Newsvendor problem is certain.
 - A. True
 - B. False
- 3) What factors affect the Newsvendor's inventory decision? (Select all that apply)
 - A. Overstocking and Understocking Costs
 - B. Mean Demand
 - C. Capacity
 - D. Range of Demand
- 4) What are some types of distribution? (Select all that apply)
 - A. Demand
 - B. Normal
 - C. Uniform
 - D. Sigma
- 5) Optimizing service level is a general approach to optimizing inventory level.
 - A. True
 - B. False
- 6) The Diminishing Marginal Utility states that the utility derived from each additional homogenous unit _____ as the supply of units increases.
 - A. Increases
 - B. Decreases
 - C. Stabilizes

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- 7) Which costs help us optimize our service level? (Select all that apply)
- A. Understocking cost
 - B. Overstocking cost
 - C. Inventory cost
 - D. Overhead cost
- 8) Depreciation costs for idle capacity would be considered as an _____.
- A. Understocking cost
 - B. Overstocking cost
 - C. Inventory cost
 - D. Overhead cost

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