

# Latest Version: 9.0

## Question: 1

What is the minimum inventory level when the information of a item is as following? Demand during lead time = 100 units.

Customer service lever = 99%

Standard deviation = 200 units.

Response:

- A. 266
- B. 366
- C. 466
- D. 566

**Answer: A**

## Question: 2

Design for manufacturability is supposed to result in which of the following?

Response:

- A. Improve product quality.
- B. Reduced training needs.
- C. Reduced product features.
- D. Delayed market introductions.

**Answer: A**

## Question: 3

Which of the following is (are) used to determine job priority?

- I. Kanban.
- II. Input/output control.
- III. Staging.
- IV. Queue time.

Response:

- A. I
- B. II

- C. I, III
- D. II, IV

**Answer: A**

### Question: 4

Kanban can be BEST described by which of the following?  
Response:

- A. Just-in-time vendor delivery system
- B. A Japanese form of statistical process control
- C. A pull system used for signaling the previous operation that parts are needed
- D. A work team improvement process

**Answer: C**

### Question: 5

Which of the following tools is used to accommodate forecast errors when developing the master production schedule?  
Response:

- A. Safety stock
- B. Planning time fence
- C. Firm planned orders
- D. Available-to-promise

**Answer: A**

### Question: 6

In general, statistical process control(SPC) is most useful to control quality. Which of the following environment is likely to the most challenge of this technique?  
Response:

- A. Intermittent.
- B. Repetitive flow.
- C. Build-to-forecasting.
- D. Continuous flow.

**Answer: A**

### Question: 7

When quantitative data are being evaluated, a very small bias in a forecast can best be explained by which of the following statements?

Response:

- A. Positive forecast errors approximately offset negative forecast errors.
- B. The absolute values of all forecast errors were approximately equal.
- C. The variability of forecast data was skewed.
- D. A very small alpha factor was used.

**Answer: A**

### Question: 8

A company which have capital intensive equipments for their product groups will want to develop:

Response:

- A. Level production strategy.
- B. Chase production strategy.
- C. Hybrid production strategy
- D. Subcontract production strategy.

**Answer: A**

### Question: 9

Which of the following is MOST cost effective when accepting the rush orders of a specific customer in demand time fence?

Response:

- A. Using safety stock.
- B. Reallocating ATP.
- C. Establishing planning bills.
- D. Rescheduling MPS.

**Answer: A**

## Question: 10

Identification of performance problems in providing a high line-item service ratio provides an opportunity to:

Response:

- A. address imbalances in the customer order mix.
- B. improve order-promising information.
- C. redesign sales and marketing incentives.
- D. reduce customer-demanded delivery time.

**Answer: B**

## Question: 11

All of the following may increase the complexity of capacity planning EXCEPT?

Response:

- A. Lot size.
- B. Order Mix Variability.
- C. Backlog.
- D. Bottleneck

**Answer: C**

## Question: 12

Lot size should be considered when calculating:

Response:

- A. Gross requirement.
- B. Net requirement.
- C. Planned order receipt.
- D. Planned order release.

**Answer: C**

## Question: 13

The most significant factor affecting the difference between planned lead time and actual lead time for a specific order or batch in a shop is

Response:

- A. Priority
- B. Capacity
- C. Queues
- D. Component availability

**Answer: A**

### Question: 14

What is the time for the production of a lot of Part A when the information of this calculation are as the follows?

Work center	Part A	Part B
W/C 100	20 unit/hr	20 unit/hr
W/C 200	10 unit/hr	
W/C 300		5 unit/hr

- W/C100 change time = 5 minutes.
- W/C200, W/C300 : a dedicated machinery.
- Lot size = 5.
- Queue time of each work center does not need to consider.

Response:

- A. 50 minutes.
- B. 60 minutes.
- C. 45 minutes.
- D. 15 minutes.

**Answer: A**

### Question: 15

All of the following would be included in the activities of capacity management EXCEPT?

Response:

- A. Resource requirement planning.
- B. RCCP
- C. CRP.
- D. Dispatching.

**Answer: D**