

## Inventory Management Analyst Professional Certificate

### Sample Exam V112022

1. The concept of: "The most repeated data." corresponds to:
  - A. Mean
  - B. Median
  - C. Mode
  - D. Trend
  
2. To which variable is statistical probability related to inventory management?
  - A. Level of variability
  - B. Service level
  - C. Safety stock
  - D. Lead Time
  
3. What is lead time?
  - A. It is the logistical time of an event
  - B. It is the administrative time of purchases
  - C. It is the time period to which the supplier commits itself
  - D. It is the delivery time taken to fulfill an order.
  
4. What are the demand characteristics?

Select all that apply

- A. Trend Seasonality
- B. Cyclical fluctuations
- C. Random fluctuations
- D. Forecast

5. To understand how dispersed the values in a data set are, what measures of dispersion would you employ?

Select all that apply

- A. Media
- B. Standard deviation
- C. Median
- D. Standard mean

6. Within an ABC classification, the letter A is for items:

- A. Non vital
- B. That move slowly
- C. The most popular and busiest
- D. Lowest sellers

7. Also known as "inventory in transit".

- A. Buffer inventory
- B. Inventory in transit
- C. Pipeline inventory
- D. Cycle inventory

8. What is the DCH Collaborative Demand Forecasting process?

- A. It is a process where users add their market know-how in a collaborative way: making changes, adjusting and enriching the forecast. To provide an objective basis for arriving at a consensus forecast
- B. It is a process where users add costs to enrich the forecast.
- C. It is a process that allows to enrich the forecast. To provide a non- consensual forecast to the planning team.
- D. It is a process where users add relevant information about the market economy. To provide an objective basis for arriving at a consensus forecast.

9. The concepts of MRP were created in the decade of the:

- A. 40s
- B. 50s
- C. 60s
- D. 70s

10. What is not a step of the DDMRP methodology?

- A. Strategic positioning
- B. Dimensioning
- C. Dynamic adjustments
- D. Master production plan
- E. Execution

11. How the following equation is known:

Inventory on hand + inventory in transit - day's shipments - relevant demand =

- A. Gross Cash Flow
- B. Net Cash Flow
- C. Flow of assets
- D. Cash flow
- E. None of the above

12. In the VUCA World, the term volatile corresponds to:

- A. The frequency and volatility of outages is increasing
- B. The frequency and volatility of sales is increasing
- C. Order frequency and volatility decrease drastically
- D. None of the above

13. What does EOQ stand for?

- A. Economic, Order, Quantity
- B. Effective, Order, Quantity
- C. Efficient, Order, Quantity
- D. Economic, Order, Quality
- E. None of the above

14. According to DDMRP, the customer's tolerance time is a factor of:

- A. Strategic positioning
- B. Effective positioning
- C. Efficient positioning
- D. None of the above

15. Power Bi, I work with the data integration process known by the acronym?
- A. ETF
  - B. ETJ
  - C. ETL
  - D. ETU
  - E. None of the above
16. With respect to the concepts of the VUCA world, the phrase: "Supply chains have many interdependent connections" corresponds to what is the end?
- A. Full Consolidated
  - B. Complex
  - C. Resounding
  - D. None of the above
17. For the calculation of forecasts, data can come from sources such as:
- Select all that apply
- A. Offices
  - B. Sales
  - C. Billing
  - D. Shopping
  - E. All of the above
18. According to the data theory for forecasts, what does the level mean?
- A. Average of values
  - B. Trend Actual sales
  - C. Seasonality
  - D. None of the above

19. What is DAX?
- A. A collection of images that can be used to calculate and return values.
  - B. A collection of numbers and letters that can be used to calculate and return values.
  - C. A collection of functions, operators and constants that can be used to calculate and return values.
  - D. None of the above

20. What are the types of inventory?

Select all that apply

- A. Raw materials
- B. Finished product
- C. Items in process
- D. Stocked items

21. According to the DDMRP, the traditional model of prioritization by dates does not necessarily guarantee alignment with the

- A. Need for raw materials
- B. Availability requirement
- C. Sales requirement
- D. Need for supply
- E. None of the above

22. The Coefficient of Variation is a measure of dispersion that allows the analysis of the deviations of the data with respect to:

Select all that apply

- A. Media
- B. Mode
- C. Trend
- D. Standard deviation

23. According to the DDMPR, the buffer synchronization alerts are:

Select all that apply

- A. Sales synchronization alert
- B. Material synchronization alert
- C. Lead Time Alert
- D. Incoming order alert
- E. None of the above

24. The main function for which MRP was conceived and created is:

- A. Calculator
- B. Data control table
- C. Numerical organizer
- D. All of the above

25. According to DDMPR, what is Buffers' strategic positioning?

- A. Decoupling points are strategically placed to decouple variability and shorten delivery time.
- B. Strategically located points of sale to decouple variability and shorten delivery time
- C. Customer service points are strategically located to decouple variability and shorten delivery times
- D. None of the above

26. What is the coefficient of variation?

- A. The Coefficient of Variation is a measure of dispersion that allows the analysis of the deviations of the data with respect to the mean.
- B. The coefficient of variation is a measure of dispersion with respect to the sales forecast.
- C. The coefficient of variation is a variable that determines whether a product is critical or not.

27. In the EOQ model calculation formula, what does the variable Q mean?

$$Q = \sqrt{(2 * k * D / G)}$$

- A. Adequate purchase quantity
- B. Optimum production quantity
- C. Optimum quantity of each order
- D. Minimum order quantity
- E. None of the above

28. The standard deviation is symbolized by the sign of:

- A. Sigma
- B. Alpha
- C. Beta
- D. Omega

29. According to DDMRP, visible and collaborative execution corresponds to:

- A. Provide relative priorities that allow the executing team to have clear priorities
- B. Provide absolute priorities that allow the planning team to have clear priorities
- C. Providing sales priorities for relevant market products
- D. None of the above

30. What are the demand characteristics?

Select all that apply

- A. Trend Seasonality
- B. Cyclical fluctuations
- C. Random fluctuations
- D. Forecast

## Answers

- |               |                |
|---------------|----------------|
| 1. C          | 16. C          |
| 2. B          | 17. A, B, C    |
| 3. D          | 18. A          |
| 4. A, B, C, D | 19. C          |
| 5. A, B, C    | 20. A, B, C    |
| 6. C          | 21. B          |
| 7. C          | 22. A, D       |
| 8. A          | 23. B, C       |
| 9. C          | 24. A          |
| 10. D         | 25. A          |
| 11. B         | 26. A          |
| 12. A         | 27. C          |
| 13. A         | 28. A          |
| 14. A         | 29. A          |
| 15. C         | 30. A, B, C, D |