1. Based on the textbook readings, name 7 different types of supply chain information technology (SCIT) options.

[ ]

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2. Match each supply chain process to its corresponding definition.

| A. Physical Distribution |
| B. Product Development |
| C. Customer Relationship Management |
| D. Performance Measurement |
| E. Manufacturing |
| F. Procurement |

[ ] Involves selection of supply chain members

[ ] Involves moving product(or services) through the supply chain, ultimately reaching customers

[ ] this process can be developed based on what the OEM organization selects as the best combination of cost and risk over the total product life cycle

[ ] Some of the key measure of effective supply chain management include cost, service, productivity, use of assets, and quality

[ ] Can be obtained by linking customers and suppliers

[ ] Management of the relationships between the providing organization and its customers

3. _____ is a feature within ERP systems that allows companies to implement necessary portions of an ERP system, without requiring implementation of an entire software suite.

[ ]

4. What is middleware and why is it sometimes needed in ERP implementations.

5. _____ is an ERP implementation method that involves allowing customization to an ERP system based on location. This concept allows each location to tailor ERP system design to its local operating practices.

6. _____ is an ERP implementation approach that allows a company to take advantage of the strengths of particular vendors. Companies using this approach will often implement different modules from different vendors.

7. In terms of the Oracle E-Business Suite's technical architecture, the _____ tier is responsible for executing most of the business logic and hosts services such as the Web listeners, Forms servers, and Reports servers.
   - A) Database Tier
   - B) User Interface Tier
   - C) Logical Tier
   - D) Application Tier

8. _____ is a server feature within Oracle Applications which allows for one installation of the Oracle E-Business Suite once, while allowing use over multiple business units, and secures data by business unit.
   - A) Shared Entities
   - B) Multi Org
   - C) Workflow
   - D) Middleware

9. Consider the following scenario: XYZ Corp is looking to implement the Oracle E-Business Suite, and is determining how to map its Enterprise Structure, before implementation begins. XYZ Corp. is a global company, operating in the USA, Germany, France. All companies within the USA share a chart of accounts, functional currency, accounting calendar, and accounting conventions. The German and French companies all share a chart of accounts, functional currency, accounting calendar, and accounting conventions. Within the USA, XYZ Corp. operates Widget World and Widgets R Us, each of which is a registered company that prepares fiscal reports. Widget World operates a manufacturing division and a distribution division, and each division handles its own purchasing and order management functions. Lastly, Widget World, has manufacturing plants in Manhattan, KS and Columbus, OH, and has distribution centers in Houston, TX, and Baltimore, MD. How many ledgers should XYZ Corp. have in its completed enterprise structure?

A) 1
B) 2
C) 3
D) 4

10. List 4 different types of inventory.

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11. In the Oracle E-Business Suite, a _____ is an entity that is used to define items. This entity acts as a parts list for your entire enterprise only, no inventory transactions take place in this entity. From this entity, items are assigned to the organizations in which they will be used.
A) Inventory Master
B) Business Master
C) Item Master
D) Organization Master

12. In Oracle Inventory, all material within an organization is held in a _____
A) Operating Unit
B) Location
C) Sub Inventory
D) Inventory

13. _____ is an inventory accuracy technique that allows you to classify, rank, and prioritize items based on a criterion.
A) ABC Analysis
B) Min Max Analysis
C) Reorder Analysis
D) Item Analysis

14. What two questions do inventory replenishment methods aim to answer?

15.

Using the following data, calculate the EOQ (show all work):

- Annual demand 3000 units
- Order cost: $50
- Carrying cost %: 25%
- Purchase cost: 40$ / unit

16.

Using the following data, calculate the re-order point (show all work):

- Lead time: 5 days
- Demand: 300 units / wk
- Unit cost: $40/ unit
- Safety Stock: 100 units
- Assume: 5 work days / wk

17. Briefly explain the Economic Order Quantity, and why it is used (what is the importance of this order quantity?):

18. Consider the following scenario: ABC Corp uses min-max planning to determine its replenishment orders for Widget X. The maximum inventory level for widget X has been set at 800 units. The minimum inventory level for widget X has been set at 325 units. There are currently 350 units of widget x on-hand, and will be receiving 50 units on order tomorrow morning. ABC Corp has a manufacturing order that calls for 200 units of widget X. How many units of widget X will be ordered as a replenishment?

○ A) 325 units
○ B) 600 units
○ C) 800 units
○ D) No replenishment order is needed

19. A _____ system is a self-regulating pull system that leads to shorter lead times and reduced inventory. These systems are typically applied to items with relatively constant demand and medium-to-high production volume. They represent replenishment signals that are manual and highly visible, such as a color-code card that moves with the material, a light that goes on when replenishment is required, or an empty bin that is moved to the supply location to trigger replenishment.

○ A) Kanban
○ B) Min Max
○ C) Reorder Point
○ D) ABC Analysis

20. Briefly define an ERP system (1-2 sentences).

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