DATA WAREHOUSE- MODEL QUESTIONS

1. The generic two-level data warehouse architecture includes which of the following?
   a. At least one data mart
   b. Data that can extracted from numerous internal and external sources
   c. Near real-time updates
   d. All of the above.
   
   Answer- b

2. Every business transactions update Operation systems data? (True/False)
   
   Answer- True

3. Which architectural module is responsible for managing the overall data warehouse environment?
   a. Management and control component
   b. Metadata architectural component
   c. Data Storage component
   d. None of the Above
   
   Answer- a

4. Normally, data flows from the data warehouse repository to the data staging area. (True/False)
   
   Answer- False

5. Select the characteristics for data warehouse architecture
   a. Must support complex analysis of the strategic information by the users
b. Users must be able to slice and dice, roll up, drill down the data

c. Must be flexible and dynamic

d. All of the Above

Answer- d

6. Transient data is ________.

a. Data in which changes to existing records cause the previous version of the records to be eliminated

b. Data in which changes to existing records do not cause the previous version of the records to be eliminated

c. Data that are never altered or deleted once they have been added

d. Data that are never deleted once they have been added

Answer- a

7. For the initial load of data, all the changes are collected, cleaned and then loaded to the tables in data warehouse.

Answer- False

8. The reporting features that is/are available in OLAP are ________.

a. Drill Down reporting

b. Roll up reporting

c. Slice and Dice

d. All of the above

Answer- d

9. Independent data marts are often created because an organization focuses on a series of short-term business objectives.

Answer- True
10. The technique that involves placing and managing related units of data in the same physical block of storage
   a. Physical storage
   b. Logical storage
   c. Clustering
   d. None of the above

   **Answer - c**

11. Partition can allow individual maintenance of the partition.

   **Answer - True**

12. Suppose in a financial data mart you need to keep monthly balances of individual line accounts. In a normalized structure, the monthly balances for a year will be found in twelve separate table rows. Assume that in many queries the users request for the balances for all the months together. How can you improve the performance?

   a. You can create a data array or repeating group with twelve slots, each to contain the balance for one month.
   b. You can create additional indexes
   c. Partition the table by months
   d. None of the above

   **Answer - a**

13. Referential integrity verification is critical in the OLTP systems. What is referential Integrity?

   a. Verify that parent row cannot be deleted while child row exists
   b. Child row cannot be added without parent rows
   c. Parent row cannot be deleted while child row exists and child row cannot be added without parent rows
   d. None of the above

   **Answer - c**
14. ________strongly defines the Information Delivery mechanism.
   a. Business Requirement
   b. Data Sources
   c. All of the above
   d. None of the above
   **Answer- a**

15. In the Web-enabled data warehouse environment, the standard HTML document or file, also known as the Web page, is the principal means for communication.
   **Answer- True**

16. The extranet excludes outside business partners from accessing the company’s data warehouse.
   **Answer- False**

17. Which of the following features usually applies to data in data warehouse?
   a. Data are often deleted
   b. Most applications consist of transactions
   c. Data are rarely deleted
   d. Relatively few records are processed by applications
   **Answer- c**

18. The operations performed by warehouse manager include:
   a. Analysis of data to ensure consistency
b. Transformation and merging the source data from temporary storage into data warehouse tables
   c. Create indexes and views on the base table.
   d. All of the above

**Answer: d**

19. Data transformation is _________. (Select the best one)
   a. A process to change data from a detailed level to a summary level
   b. A process to change data from a summary level to a detailed level
   c. Joining data from one source into various sources off data of data
   d. Separating data from one source into various

**Answer: a**

20. The role of the ETL process is to identify erroneous data and to fix them.

**Answer: False**