**MCQ**

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| **Q.1 Data transformation includes which of the following?** |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | A process to change data from a detailed level to a summary level | | [**B.**](javascript:%20void%200;) | A process to change data from a summary level to a detailed level | | [**C.**](javascript:%20void%200;) | Joining data from one source into various sources of data | | [**D.**](javascript:%20void%200;) | Separating data from one source into various sources of data | |

Ans A

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| **Q.2 Fact tables are which of the following?** |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Completely denoralized | | [**B.**](javascript:%20void%200;) | Partially denoralized | | [**C.**](javascript:%20void%200;) | Completely normalized | | [**D.**](javascript:%20void%200;) | Partially normalized | |

Ans C

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| **Q.3 A snowflake schema is which of the following types of tables?** |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Fact | | [**B.**](javascript:%20void%200;) | Dimension | | [**C.**](javascript:%20void%200;) | Helper | | [**D.**](javascript:%20void%200;) | All of the above | |

Ans D

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| **Q.4 The extract process is which of the following?** |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Capturing all of the data contained in various operational systems | | [**B.**](javascript:%20void%200;) | Capturing a subset of the data contained in various operational systems | | [**C.**](javascript:%20void%200;) | Capturing all of the data contained in various decision support systems | | [**D.**](javascript:%20void%200;) | Capturing a subset of the data contained in various decision support systems | |

Ans B

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| **Q.5 A star schema has what type of relationship between a dimension and fact table?** |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Many-to-many | | [**B.**](javascript:%20void%200;) | One-to-one | | [**C.**](javascript:%20void%200;) | One-to-many | | [**D.**](javascript:%20void%200;) | All of the above. | |

Ans C

**Q.6 What is true about data mining?**

1. Data Mining is defined as the procedure of extracting information from huge sets of data
2. Data mining also involves other processes such as Data Cleaning, Data Integration, Data Transformation
3. Data mining is the procedure of mining knowledge from data.
4. All of the above

Ans D

**Q.7 What is the use of data cleaning?**

A. to remove the noisy data  
B. correct the inconsistencies in data  
C. transformations to correct the wrong data.  
D. All of the above

Ans D

**Q.8 Which of the following is a good alternative to the star schema?**

1. snow flake schema
2. star schema
3. star snow flake schema
4. fact constellation

Ans D

**Q.9 Data mining is?**

1. time variant non-volatile collection of data
2. The actual discovery phase of a knowledge
3. The stage of selecting the right data
4. None of these

Ans B

**Q.10 Which of the following is not a data pre-processing methods?**

1. Data Visualization
2. Data Discretization
3. Data Cleaning
4. Data Reduction

Ans A

**Q.11Correlation analysis is used for \_\_**

1. Handling missing values
2. Identifying redundant attributes
3. Handling different data formats
4. Eliminating noise

Ans B

**Q.12 \_\_\_\_\_\_combines data from multiple sources into a coherent store**

1. Data Characterization
2. Data Classification
3. Data Integration
4. Data Selection

Ans C

**Q.13To remove noise and inconsistent data *\_\_* is needed**

1. Data Transformation
2. Data Reduction
3. Data Integration
4. Data Cleaning

Ans D

**Q.14 Which of the following is not a component of a data warehouse?**

A. Metadata  
B. Current detail data  
C.Lightly summarized data  
D. Component Key

Ans D

**Q.15 Expansion for DSS in DW is**

1. Decisive Strategic System
2. Data Support System
3. Data Store System
4. Decision Support system

Ans D

**Q.16 Data in a data warehouse**

1. in a flat file format
2. can be normalised but often is not
3. must be in normalised form to at least 3NF
4. must be in normalised form to at least 2NF

Ans B

**Q.17 Which of the following statements about data warehouse is true?**

1. A data warehouse is necessary to all those organisations that are using relational OLTP
2. A data warehouse is useful to all organisations that currently use OLTP
3. A data warehouse is valuable to the organisations that need to keep an audit trail of their activities
4. A data warehouse is valuable only if the organisation has an interest in analysing historical data

Ans D

**Q.18 What do data warehouses support?**

1. OLAP
2. OLTP
3. OLAP and OLTP
4. Operational databases

Ans A

**Q. 19 A data cube consist of \_**

1. Dimensional data
2. Multidimensional data
3. No dimensional data
4. 1 dimensional data

Ans B

**Q.20Data scrubbing is which of the following?**

A. A process to reject data from data warehouse and to create necessary indexes

B.A process to load the data in the data warehouse and to create necessary indexes

C. A process to upgrade the quality of data after it is moved into a data warehouse

D. A Process to upgrade the quality of data before it is moved into a data warehouse

Ans D

**Q.21A data mart is designed to optimize the performance for well defined and predictable users**

A. true

B. False

Ans A

**Q.22 The role of ETL process is to identify erroneous data and to fix them**

A.true

B. False

Ans A

Q.23 **\_\_\_\_ normalization is not very well efficient in handling the outliers  
Min max**

1. Min max
2. Z Score
3. Decimal Scaling
4. None of the above

Ans A

Q.24 **. \_\_\_\_\_\_\_\_\_\_ is a subject-oriented, integrated, time-variant, nonvolatile collection of data in support of management decisions.**

A. Data Mining.

B. Data Warehousing.

C. Web Mining.

D. Text Mining.

ANSWER: B

**Q.25. The data Warehouse is\_\_\_\_\_\_\_\_\_\_.**

A. read only.

B. write only.

C. read write only.

D. none.

ANSWER: A

**Q.26. Expansion for DSS in DW is\_\_\_\_\_\_\_\_\_\_.**

A. Decision Support system.

B. Decision Single System.

C. Data Storable System.

D. Data Support System.

ANSWER: A

Q.27. **The important aspect of the data warehouse environment is that data found within the data warehouse is\_\_\_\_\_\_\_\_\_\_\_.**

A. subject-oriented.

B. time-variant.

C. integrated.

D. All of the above.

ANSWER: D

**Q.28.** **The time horizon in Data warehouse is usually \_\_\_\_\_\_\_\_\_\_.**

A. 1-2 years.

B. 3-4years.

C. 5-6 years.

D. 5-10 years.

ANSWER: D

**Q.29. The data is stored, retrieved & updated in \_\_\_\_\_\_\_\_\_\_\_\_.**

A. OLAP.

B. OLTP.

C. SMTP.

D. FTP.

ANSWER: B

**Q.30. \_\_\_\_\_\_\_\_\_\_describes the data contained in the data warehouse.**

A. Relational data.

B. Operational data.

C. Metadata.

D. Informational data.

ANSWER: C

**Q.31. \_\_\_\_\_\_\_\_\_\_\_\_predicts future trends & behaviors, allowing business managers to make proactive, knowledge-driven decisions.**

A. Data warehouse.

B. Data mining.

C. Datamarts.

D. Metadata.

ANSWER: B