

(10)

SARDAR PATEL UNIVERSITY
M.Sc.(Information Technology)
SEMESTER-III
PS03EINT02- (Data Mining & Data Warehousing)
12th Dec 2012

Time:10:30am to 1.30pm

Marks:70

Q1 Give answers of following Multiple choice questions

[8]

- 1 The _____ activity is defined in the building vision stage after the requirements analysis and technical blueprints.

A Design	B Implementation
C Collecting Data	D None of these
- 2 A data warehouse is which of the following?

A Can be updated by end users.	B Contains numerous naming conventions and formats.
C Organized around important subject areas.	D Contains only current data.
- 3 The.....phase must deliver an overall architecture that satisfies the long term requirements.

A Building the vision	B History Load
C Technical Blue Prints	D Business Requirements
- 4 The.....phase must deliver an overall architecture that satisfies the long term requirements.

A Building the vision	B History Load
C Technical Blue Prints	D Business Requirements
- 5 The central factual transaction table is called.....and surrounding reference table is called.....

A Dimension Table and Dimension Table	B Dimension Table and star table
C Fact Table and Dimension Table	D Dimension Table and Fact Table
- 6 Star Schema defines which of the relationship between the dimension and fact tables?

A One-to-many	B One-to-One
C Many-to-many	D All of the above
- 7 Meta data uses for.....

A Data Transformation and load	B Data Management
C Query Generation	D All of Above
- 8 What is full form of DBA?

A Data Base Administrator	B Data Binding Administrator
C Distribution Base Application	D Data Base Application

Q2 Do as directed (Any 7)

[14]

- 1 What is data warehouse & How it is different from database?.
- 2 Explain the major tasks in Data Preprocessing.

- 3 What is parallel query?
- 4 Enlist five step process used in project scope management.
- 5 What is Data mining? Enlist few of its applications.
- 6 Explain the Role and Responsibilities of Executive sponsor and Project manager?
- 7 What is an aggregation?
- 8 Write down a brief note on self learning computer system.
- 9 Explain data warehouse delivery method in brief with figure.

- Q3 [A] How are data marts different from data warehouse? Explain Data Mart with figure in detail. [6]
- Q3 [B] What is the Difference between OLTP and OLAP?
OR
- Q3 [B] Define KDD & explain all its step in detail. [6]
- Q4 [A] Explain Data Warehouse architecture with figure in detail. [6]
- Q4 [B] Explain in detail with diagram, the architecture of Load manager. [6]
OR
- Q4 [B] What is horizontal partitioning? List out the techniques that are involved in horizontal partitioning. Explain any two. [6]
- Q5 [A] Explain Project Life Cycle in Detail. [6]
- Q5 [B] Explain Query Management Process in Detail. [6]
OR
- Q5 [B] Define fact table and explain the star flake schemas in detail. [6]
- Q6 [A] Discuss day – to – day operations of the data warehouse. [6]
- Q6 [B] Explain: SMP and Cluster technology in detail. [6]
OR
- Q6 [B] Explain in detail Tape Technology used in hardware for backup. [6]

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