GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII - EXAMINATION –SUMMER-2021

Subject Code: 4470622   **Date: 10-08-2021**
Subject Name: Data Warehousing
Time: 10:30 AM to 01:00 PM   **Total Marks: 70**
Instructions:

    1. Attempt all questions.
    2. Make Suitable assumptions wherever necessary.
    3. Figures to the right indicate full marks.

Q.1	**(a)**	Answer the Followings:	
		1. List out two Difference between primitive and derived data.	**03**
		2. Write about Midlevel Data Model.	**02**
		3. Write about Efficient Index Utilization.	**02**
	(b)	Answer the Followings:	
		1. Explain EIS in Short.	**03**
		2. Explain Snowflake Structures.	**02**
		3. Write about Visualizing Unstructured Data.	**02**
Q.2	**(a)**	Explain Structuring Data in the Data Warehouse.	**07**
	(b)	Discuss Physical Data Model for Data Warehouse.	**07**
		OR	
	(b)	Discuss Normalization and Denormalization Development Model.	**07**
Q.3	**(a)**	Explain Multi-dimensional and DBMS and the Data Warehouse.	**07**
	(b)	Discuss OLAP Operations With Example.	**07**
		OR	
Q.3	**(a)**	Discuss Role of Meta-data in Data Warehouse Environment.	**07**
	(b)	Give the details of "Event Mapping" Technique.	**07**
Q.4	**(a)**	Explain how Building Independent Data Marts.	**07**
	(b)	Discuss Granularity Manager to Process Web Log Clickstream Data.	**07**
		OR	
Q.4	**(a)**	What is Operational Data Store (ODS)? How it Provide Information Flow between Data Warehouse and the Web?	**07**
	(b)	.how Moving Data from the Web to the Data Warehouse and vice versa.	**07**
Q.5	**(a)**	Discuss A Two-tiered Data Warehouse.	**07**
	(b)	Explain how Fitting the Unstructured and Structured Environments Together.	**07**
Q.5	**(a)**	Discuss Self-organizing Map (SOM).	**07**
	(b)	Explain Unstructured Data? How Handling Textual Data:.	**07**

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