Seat No.: Enrolmer	t No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

MCA SEMESTER—III-EXAMINATION -SUMMER-2017 Subject code: 3630011 Date: 09/06/2017

Time Instr 1. Att 2. Ma	e: 02: ructio empt a ke sui	ame: Data Warehousing 30 PM – 05:00 PM Total Marks: 70 ons: all questions. table assumptions wherever necessary. the right indicate full marks.	
Q.1	(a)	Expand following abbreviations	07
		1. OLAP 2. DDDM 3. SQL 4. SOM 5. ODS 6. VLDB 7. OLTP	
	(b)	Answer the Following questions:	
		 What is Metadata? What is Dimension Table? What are the stages of Data-warehousing? What is Data mining? 	01 02 02 02
Q.2	(a)	Why data processing is an important issue in data warehousing? What are the salient features of Data Warehouse?	07
	(b)	What is Business Intelligence? And how this is related with Data Warehousing?	07
		OR	
	(b)	1. What is the difference between OLTP and OLAP?2. What is Data Mart?	05 02
Q.3	(a)	What are the steps of building Data Warehouse?	07
	(b)	What is Zachman framework? Discuss direct and indirect access of data in data warehouse with respect to framework.	07
		OR	
Q.3	(a)	What is ETL? Define any five tools which are available for ETL.	07
	(b)	What is the difference between ER Modeling and Dimensional Modeling?	07
Q.4	(a)	What is SCD? How many types of SCDs are there define with example.	07
	(b)	Describe Executive Information System (EIS) with its potential. What is the application of Drill-down analysis?	07
		OB	

Q.4	(a)	I. Normalization and De-normalization	04
		II. Mid-Level Data Model	03
	(b)	I. Multi-Dimensional Model	04
		II. Unstructured Data Warehouse	03
Q.5	(a)	Explain Data Driven Development Methodology.	07
	(b)	Elucidate Granularity in Data Warehouse	07
		OR	
Q.5	(a)	Describe Snowflake structures	06
	(b)	Explain the Three-Tier Architecture of Data Warehouse	08
