Seat N	No.: _	Enrolment No	_
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		MCA SEMESTER—III-EXAMINATION -WINTER-2016	
Subj	ect c	ode: 3630011 Date:09/01/2017	
•		lame: Data Warehousing	
•		30 AM TO 01.00 PM Total Marks: 70	
Instr			
111541		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	<b>3.</b> 1	Figures to the right indicate full marks.	
Q.1	(a)	Answer the followings:	07
	1.	Define data mart.	
	2.	List out the merits of data warehouse.	
	3.	What are the characteristics of data warehouse?	
	4.	Define unstructured data warehouse.	
	5.	What types of processing take place in a data warehouse?	
	6.	Every data structure in the data warehouse contains the time element. Why?	
	7.	What are the various data sources for the data warehouse?	
	<b>(b)</b>	Draw and explain the data warehouse architecture.	07
<b>Q.2</b>	(a)	Define data warehouse and explain the different data models.	07
	<b>(b)</b>	Why is it important to store multiple types of data in the data warehouse?	07
		Give examples of some non-structured data likely to be found in the data	
		warehouse of a health management organization (HMO). <b>OR</b>	
	<b>(b)</b>	Write a short note on: Granularity in Data Warehouse.	07
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Q.3	(a)	Write a short note on: Metadata repository.	07
<b>Q.</b>	(b)	Explain the design and construction of a data warehouse.	07
	(6)	OR	07
Q.3	(a)	Write a short note on: Indexing the data warehouse.	07
<b>V.</b> C	(b)	Give the differences between the OLTP and OLAP in details.	07
	(6)	of the differences between the officer and officer in details.	0,
<b>Q.4</b>	(a)	Explain the OLAP operations in multidimensional model.	07
	<b>(b)</b>	Discuss and describe the various schematic representations in	07
		multidimensional model.	
		OR	
<b>Q.4</b>	<b>(a)</b>	1 ,	07
		warehouse?	Λ.
	<b>(b)</b>	Explain the role of data warehouse in a Retail Personalization System.	07
Q.5	(a)	Explain the drill-down analysis in EIS.	07
<b>~</b>	(b)	Explain the A Data-Driven Development Methodology.	07
	(~)	OR	<i>.</i>
Q.5	(a)	Why keeping only summary data in EIS? Explain in detail.	07
~.~	(b)	To what extent has the midlevel model of the subject areas been	07
	(~)	created? Is there a relationship between the different midlevel models?	
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