M.C.A. Fifth Semester (CGS)

15543 : Elective - II : Data Warehousing & Data Mining : Paper - 5 MCA 5

P. Pages : 2 **AV - 3289**

Time : Three Hours * 0 8 8 3 * Max. Marks : 80

Notes : 1. Assume suitable data whenever necessary.
2. Illustrate your answer whenever necessary with the help of neat sketches.
3. Use of pen Blue/Black ink/refill only for writing the answer book.

1.	a)	Explain the architecture of typical data mining system.	7
	b)	Enumerate and explain various method of data transformations.	7
		OR	
2.	a)	Discuss the various steps of knowledge discovery from databases.	7
	b)	Explain the concept of data characteristics and data discrimination with suitable example.	7
3.	a)	Explain the concept of data mining query language with its importance.	6
	b)	Explain with example, the concept of hierarchies.	7
		OR	
4.	a)	Explain in detail the concept of data generalisation.	7
	b)	Explain the process of analytical characterisation.	6
5.	a)	Explain the trends in datamining.	7
	b)	Describe the datamining application with respect to telecom industry.	7
		OR	
6.	a)	Explain datamining systems and research prototype.	7
	b)	Explain the additional themes on datamining.	7
7.	a)	Explain in details any four major features of data ware house.	6
	b)	Discuss the analysis of three tier data ware house architecture.	7
		OR	
8.	a)	Explain in detail comparison between OLTP and OLAP.	7
	b)	Explain in detail multidimensional data model.	6
9.	a)	Explain in detail fact table load and warehouse operation with respect to data staging.	13

OR

10.	a)	Explain the process of data quality and data cleaning with example.	7
	b)	Discuss the miscellaneous issues for data staging.	**6**
11.	a)	Explain the primary issues in end user application development.	**7**
	b)	How do we prepare the data ware house for growth & evolution? Discuss in detail.	**6**

OR

12.	a)	How do we manage the existing data warehouse environment?	7
	b)	Explain the role of end user application.	**6**

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