Exam. Code : 206703

Subject Code: 4692

M.Sc. Computer Science 3rd Semester

DATA MINING AND WAREHOUSING

Paper: MCS-303

Time Allowed—3 Hours] [Maximum Marks—100

Note:—Attempt FIVE questions, selecting at least ONE question from each Section. All questions carry equal marks. The FIFTH question may be attempted from any Section.

SECTION—A

1. What is Data Warehouse? What are its different models? Why we need a separate Data Warehouse?

(a) Difference between Operational Database Systems and Data Warehousing.

(b) Explain Multidimensional Data Models in detail.

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SECTION—B

3. Discuss all steps for designing and construction of Data Warehouse in detail.

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(Contd.)

4.	(a)	Explain different types of OLAP servers.	12
0	(b)		
		Processing and Online Analytical Processing	ng.
			8
		SECTION—C	
5.	(a)		with
		an example.	10
	(b)	Describe Data Warehouse Back-End Tools	and
		Utilities in detail.	10
6.	Discuss Indexing OLAP Data. Explain Bitmap Index		
	and	Join Index in detail.	20
		SECTION—D	
7.	What do you mean by Data Mining ? Explain how		
	one	can use Predictive Modeling for data minir	ıg.
			20
8.	(a)	Explain Data Mining Query Languages	with
		syntax/query of at least one task.	10
	(b)	What are current trends in data mining? Exp	plain
		at least two application areas.	10
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