Seat No.:____SARDAR PATEL UNIVERSITY

[74]

M.Sc. (Information Technology)

Semester – III External Examinations

PS03EINT02 (Data Mining and Data Warehousing)

28th October, 2016 (Friday)

	28" October, 2010 (Filday)	Max. Marks: 70
Time: 2:01	PM to 5:00 PM	[08]
Q-1	A	
1.	Data extraction takes data from systems and	makes
1.	it available to the data warehouse.	
	A. Destination	
	B. Source	
	C. A and B both	
	- 11f 4b-000	riont
2.	is a subject-oriented, integrated, lime	-vanant, ort Of
۷.	nonvolatile collection of data in suppo){{ Oi
	management decisions.	
	A. Data Mining	
	B. Data Warehousing	
	C. Web Mining	
		a format
3.	older data is removed from the system in	a lollilat
Ψ.	that allows it to be quickly restored if required.	
	A. Archiving	
	B. Partitioning	
	C. Self-learning	
	D. None of these	ns all the
4.	D. None of these The is the system component that perform	process.
	operations necessary to support the query management	F
	A. Load manager	•
	B. Warehouse manager	
	C. Query manager	
	D. None of these Create to speed up the common queries.	
5.	Createto speed up the common q	
	A. Associations	
	B. Classifications	
	C. Aggregations D. None of these	
	D. None of these information that is used to a	nalyze the
6.	elemental transaction.	
	A. Fact data	
	B. Dimension data	
	- ·	
	C. A and B	
	D. None of these	within the
7.	are separate operations that occur	Militia nie
• •	confines of the SQL statement itself.	
	A Intra-statement operations	
	B Inter-statement operations	
	C. Extra-statement operations	
	D. None of these	
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8.	A is a backup that is taken while the database is completely shut down. A. Hot backup B. Cold backup C. Online backup D. None of these	
Q-2	 Write answers in short: (ANY SEVEN) a. Distinguish between data mining tools and query tools. b. What is data warehousing? List its characteristics. c. Explain metadata. d. Explain backup and recovery process. e. What is fact data? Explain it in brief. f. Explain starflake schemas. g. Distinguish between fact table design and summary table design. h. What is SLA? Explain it in brief. i. "The data warehouse is an operational system", Justify your answer. 	[14]
Q-3 A B	Discuss machine learning and methodology of science. Write in detail about project planning and management life cycle. OR	
В	Explain benefits of data mining in marketing.	[06]
Q-4 A	Explain clean and transform data process within a data	
В	Write a short note on warehouse manager.	[06] [06]
В	OR Discuss query management process within a data warehouse.	[06]
Q-5 A B	Explain summary information in detail taking suitable example. Write a short note on horizontal partitioning.	[06] [06]
В	OR Write a detail note on Advanced Encryption Standard.	[06]
Q-6 A B	List types of system managers. Explain any two of them. Explain server hardware requirement of data warehouse environment.	[06] [06]
В	OR Explain security requirement of	
	Explain security requirements for data warehouse.	[06]

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