Code	No: 126VW JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY H B. Tech III Year II Semester Examinations, April - 201 DATA WAREHOUSING AND DATA MINING (Information Technology) : 3 hours	R15 YDERABAD 8 Max. Marks: 75
Note	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all question consists of 5 Units. Answer any one full question from each unit. Ea 10 marks and may have a, b, c as sub questions. PART - A	s in Part A. Part B ach question carries (25 Marks)
1.a) b) c) d) e) f) g) h) i)	Define data warehouse. Differentiate between ROLAP and HOLAP. What is evolution analysis? List the various forms of data preprocessing. Quote an example for quantitative association rule. How to compute confidence for an association rule $X \rightarrow Y$? Define classifier accuracy. List the characteristics of k-nearest neighbor algorithm. What is an outlier? What are the weaknesses of hierarchical clustering?	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
	PART - B	(50 Marks)
2.a) b)	Compare and contrast operational database systems with data wareho What is the importance of data marts in data warehouse?	buse. [5+5]
3.a) b)	With illustrative examples explain various OLAP operations. Discuss the characteristics of fact table.	[5+5]
4.a) b)	Explain data mining as a step in knowledge discovery process. Differentiate between data retrieval and data mining.	[5+5]
5.	Demonstrate computation of the following measures for similarity/c data: a) Cosine measure b) Euclidean distance	lissimilarity among
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