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Code No. 117CD	R13	
Code No: 117CD JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYI B. Tech IV Year I Semester Examinations, November/December	DERABAD - 2016	
DATA WAREHOUSING AND DATA MINING (Computer Science and Engineering)	ii .i.	ŧ,¢ ,
Time: 3 Hours	x. Marks: 75	
Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all question Part B consists of 5 Units. Answer any one full question from Each question carries 10 marks and may have a, b, c as sub questions.	ons in Part A. om each anit.	
PART- A	(25 Marks)	
1.a). Define Data ware housing. b) Differentiate OLAP, ROLAP and HOLAP. c). Discuss about subset selection	[2] [3] [2]	
c). Discuss about subset selection d) Mention any three measures of Similarity. e) Define Association rule mining two step processes. f) Write short note on support and confidence measures.	[3] [2] ———[3]	
g): Mention types of classifier techniques. h): Define Pre pruning and post pruning. i) Discuss on Agglomerative and Divisive clustering techniques. j) Mention the various types of clustering methods.	[2] [3] [2] [3]	
PART-B 2. Explain data mining as a step process of knowledge discover Functionalities of Data mining. OR	[10]	
3. Differentiate Operational database systems and data warehousing schema and fact constellation schemas. 4. Explain the various Data pre-processing techniques. How data redupre-processing.		
5. How can the data cube be efficiently constructed for discovery- Explain various operations of a Data Cube 6. How can we mine multilevel Association rules efficiently using the Explain. Illustrate with an A-priori algorithm for the given dataset below.	concept hierarchies?	
TID List of items		
001 milk, dal, sugar, bread 002 Dal, sugar, wheat jam 003 Milk, bread, curd, paneer	sus de	ens' -
004 Wheat, paneer, dal, sugar		
006 Wheat, dal, paneer, bread		

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A STATE OF THE STA	7. Can we candidate	design a metho	od that mine	OR es the comple with example	ete set of frequent i	tem sets without ove. [10]	
our grand	9. What is tree Indu	prediction? Exp	lain the var on technique	in. OR ious predictions.	neat diagram. How	[10]	
				OR	thm with two iterations and 4.	ons to form two	
			Subject 1 2 2 3	-	B 1.0 2.0	, , , , , , , , , , , , , , , , , , ,	
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			7.	3.5	4.5		
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