R15

Max.Marks:75

## Code No: 5258AB

Time: 3hrs

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## M. Tech I Semester Examinations, February - 2017 DATABASE INTERNALS

(Computer Science and Engineering)

Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.				
0 ( )	R SR	PART - A	5	× 5 Marks = 25
1.a) b) c) d)	How does write-ahead I	n. Give an example relation. Log protocol perform recovery? near probing and linear hashing.		[5] [5] [5] [5]
PART - B				
2.		h a school admission system. OR Database systems. Mention its ap		[10] [10]
4. What are the properties of decomposition? Discuss about loss less join Decomposition. [10]				
OR				
5. Explain about functional dependencies. Illustrate with examples, computation of closure. [10]				
6.	Define Deadlocks. How	are they detected in DBMS?		[10]
7. 8.	Explain the various	operations of a B+ Tree erations of a B + tree index.		[10] n example the [10]
9.	Explain the Hash bas	ed Indexing with illustration.		[10]
10. What is Distributed database? Distinguish the features of Distributed Data base and centralized database.  OR				
11.	Explain the Distributed	d query processing with a suita	able example.	[10]

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