Code No: 114CQ

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech II Year II Semester Examinations, May - 2016
DATABASE MANAGEMENT SYSTEMS
(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

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.

PART - A (25 Marks)

1.a)	Discuss about DDL.	[2]
b)	Write brief notes on altering tables and views.	[3]
c)	Describe about outer join.	[2]
d)	What is meant by nested queries?	[3]
e)	What is second normal form?	[2]
f)	Describe the inclusion dependencies.	[3]
g)	What is meant by buffer management?	[2]
h)	What is meant by remote backup system?	[3]
i)	Discuss about primary indexes.	[2]
j)	What is meant by linear hashing?	[3]

PART - B (50 Marks)

2.	Explain the relational database architecture.	[10]
	OR	
3.	State and explain various features of E-R Models.	[10]
4.	Explain Tuple relational calculus.	[10]
	OR	
5.	Discuss about domain relational calculus.	[10]
6.	What is meant by functional dependencies? Discuss about second normal form.	[10]
	OR	
7.	Explain fourth normal form and BCNF.	[10]
8.	What is meant by concurrency control?	[10]
	OR	
9.	Discuss about failure with loss of nonvolatile storage.	[10]
10.	What is meant by extendable hashing? How it is different from linear hashing?	[10]
	OR	
11.	What are the indexed data structures? Explain any one of them.	[10]

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