Code No: **R4105D**   **R10**   **Set No. 1**

IV B.Tech I Semester Supplementary Examinations, February/March - 2018
DISTRIBUTED DATABASES
(Computer Science and Engineering)

Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
*****

1	a)	Discuss briefly about the centralized DBMSs with examples.	[8]
	b)	Mention the advantages and disadvantages of distributed DBMS.	[7]
2	a)	How to translate global queries to fragment queries? Explain.	[8]
	b)	Discuss the following:	
		i. Distributed Grouping	
		ii. Aggregate Function Evaluation	[7]
3	a)	Discuss the framework for query optimization.	[8]
	b)	Explain join queries with suitable examples using SQL statements.	[7]
4	a)	Explain briefly transaction management.	[8]
	b)	Discuss the architectural aspects of distributed transactions.	[7]
5	a)	Write concurrency control mechanisms with suitable examples.	[8]
	b)	Explain relaxed concurrency control.	[7]
6	a)	Explain one scheme of distributed deadlock detection and recovery.	[8]
	b)	Explain the phases of query processing in distributed database.	[7]
7		Explain the following:	
		i. Cache consistency object management	
		ii. Query processing issues	
		iii. Pointer swizzling	[15]
8	a)	Discuss different query optimization issues.	[8]
	b)	Explain query processing layers in distributed multi-DBMSs.	[7]