DISTRIBU	TED DATABASES			
(PROGRA	M ELECTIVE-IV)			
Subject Code	18ITITP801G	IA Marks	3	30
Number of Lecture Hours/Week	3	Exam Marks	7	70
Total Number of Lecture Hours	50	Exam Hours	()3
C	credits – 03			
Unit -1			Hours	3
Introduction: Distributed Data proces (DDBMS), Promises of DDBMSs, Comin DDBMSs, Overview Of Relation concepts, Normalization	plicating factors and I	Problem areas	10	
Unit -2				
Distributed DBMS Architecture: DBI models for Distributed DBMS, I Distributed Database Design: Alternat design issues, Fragmentation, Allocati Management, Data security, Semantic I	Distributed DBMS ive design Strategies on. Semantic Data C	Architecture. , Distribution	08	
Unit – 3		,		
Overview of Query Processing: Query Query Processing, Complexity of characterization of Query processors. Introduction to Transaction Manager Properties of transaction, types of transaction: Serializability theory Taxomechanisms, locking bases concurrency.	Relational Algebra s, Layers of Query ment: Definition of ansaction Distributed onomy of concurre	operations, Processing. Transaction, concurrency	12	
Unit – 4				
Parallel Database Systems: Database servers, Parallel architecture, Parallel DBMS techniques parallel execution problems, parallel execution for hierarchical architecture			10	
Unit – 5				
Distributed Object Database Managen concepts and Object models, Object issues, Object management, Distribu processing Transaction management Da	distribution design. ited object storage,	Architectural object query	10	