		Q.P. Code: 29145	
		(OLD COURSE)	
		(3 Hours) [Total Marks: 1	00
N.	В.:	 Question No.1 is compulsory. Solve any FOUR out of remaining questions. Suitable assumptions can be made if required. 	
1.	(a)	Construct EER diagram for College Library System. Convert it to Relational schema.	10
	(b)	Explain left, right, outer and inner join with example.	10
2.	(a) (b)	Explain with proper example nested relations in ORDBMS. Explain heuristic approach of query processing with example.	10 10
3.	(a)	Explain data fragmentation techniques for distributed databases with illustrative example.	10
	(b)	•	10
4.	(a) (b)		10 10
5.	(a) (b)		10 10
6.	(a) (b)		10 10
7.	W	(1) Aggregate function in SQL (2) Database storage and access methods (3) Client server architecture (4) EXIST and NOT EXIST clause in SQL (5) Measure of query cost	20