Q.P. Code: 26012

Mark 80						3 hrs
Note:						
Question	1 is compulsory					
Solve any	three of the remainin	g.				
Draw nea	t diagrams					
b) De c) Exp	entify and list down file scribe ACID Properties plain Total participatio plain aggregate Functi	n and partial par		tion`with exampl	e	(5) (5) (5) (5)
Q2. a) Explain stored procedure and functions with example						(10)
b) Exp	olain Shadow Paging					(10)
<b>Q3</b> . a) Ide	entify and list all funct	ional dependenc	ies sa	tisfied by the rela	tion	(10)
		X	Y	Z		
		1	4	2		
		1	5	3		
		1	6	3		
		3	2	2		
		A (		N 25 5 5 5		
b) Exp	olain ER Model into Re	lational Model (	onve	rsion with examp	e.	(10)
Q4. a) De	escribe view in SQL wit	th example	9			(10)
b) Explain any 2 concurrency protocols in database systems						(10)
Q5. a) List various types of constraints in database? Explain any two						(10)
b) Explain cost based query optimization						(10)
Q6. a) Explain deadlock with wait-for-graph						(10)
b) Explain conflict and view serializabilty with example						(10)