		(3 Hours) [Total Mark	ks: 80]
	N.B.:	(1) Question No.1 is compulsory	
		(2) Attempt any three from the remaining	
		(3) Figures to the right indicate full marks	
		(4) Assume suitable data if necessary	
1	Solve a	any four :-	20
	(a)	Draw the neat diagram of query processing.	
	(b)	Describe query evaluation plan.	
	(c)	Compare between SQL and NoSQL.	
	(d)	Write the different parameters for measuring the cost of query.	
	(e)	What is Graph database.	
2	(a)	Discuss the phases of distributed query processing with neat diagram.	10
			V.
	(b)	Explain Temporal database.	10
	<b>X</b>		7
3	(a)	Explain CAP Theorem NoSQL Databases	10
	(b)	XML document of 'Restaurant Menu Card' has food items, categorized into	10
	(b)	Starters, Drinks, Chinese, South and Punjabi. Each food item element	10
		contains name, cost, calories and veg /non-veg flag. Write XML Schema for	
		above XML document.	
4	(a)	Explain MangoDB Sharding.	10
	(b)	Explain ACID properties.	10
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5	(a)	Explain 2PC in detail with neat diagram?	10
	10		
	(b)	Explain JSON Data Types. Give example of JSON document.	10
-6	7		40
6	(a)	Explain Spatial Database.	10
	(b)	Explain MongoDB CRUD Operations.	10
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