TELCMPNIT (Rev) ADBMS

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		(3 Hours	·)	[Total Marks :	100
N.B	. : (1) (2)	Question No. 1 is compulsory. Attempt any four questions out of the	remaining six quest	ions.	
1.	and and sport mer contail	registration and the university courses. See each section is related to the instructor of the particular college. The database tracts awarded to the university. A grant is esearchers it supports. (a) Draw an extended ER diagram for the registrates are tracted as a section of the college.	Several sections of e who is teaching. It a raduate students of se also keeps track of related to one princ	ach course are off also keeps track o the academic dep of research grants	ered f the part- and
		 (b) Show mapping of EER diagram into (c) Take two typical queries and write the 	relational schema.		7 6
2.	(a) (b)	Explain different architecture for parallel Explain different joins such as EQUIJC OUTER JOIN with suitable example.	database. IN, NATURAL JOI	N, LEFT AND RI	10 GHT 10
3.	(a) (b)	Explain query processing in distributed of Explain with example nested relation in	latabase ORDBMS.		10 10
4.		e.essn = w.ssn A e.bdate > '1977 - 12 - 31'	ect p Ind nd Ind		10
	(b)	In SQL 3 how type inheritance and table suitable example.	inheritance is imple	mented? Explain	with 10
5.		What is Data transparency? Explain the base should achieve.			
	(b)	What is well formed and valid XML document? With example explain what is XML 10 Schema file.			XML 10
6.	(a) (b)	Explain Nested-loop join and Block Nes Explain database design and implemen	ted-loop join algorit tation process.	hm.	10 10
7.	Wri	te short notes on (any four):— (a) Replication in distributed DBMs (b) Aggregate functions in SQL (c) XML Schema elements (d) EXIST and NOT EXIST clause in S (e) Query processing in typical DBMs s	QL ystem.		20