Total No.	of Questions : 5]	C	SEAT No.:			
P6986	[5865]	- 20	[Total No. of Pages : 4			
	F.Y. M.C.A. (N					
IT - 24 : ADVANCED DBMS						
	(2020 Pattern)					
<i>1)</i> 2	ns to the candidates: All questions are compulsory.		[Max. Marks: 50			
	Figures to the right indicates full m					
Q1) Writ	Full form of OQL is		f following questions (each ½ mark). [10]			
•	c) Object Quantum Languag	e d)				
2)	A database which is able to have a) DBMS c) Information	ndle d b) d)	complex relationship File OODBMS			
3)	A DBMS uses a transaction update the database.	000	to keep track of all transaction that			
	a) log c) block	(b) (d)	table statement			
4)	A timestamp ordering scheme		res			
	a) Serializabilityc) Atomicity	b) d)	Cascading Consistency			
5)						
,	a) Distributed system	b)	Parallel system			
	c) Centralized system	d)	None			
6)	In an E-R Diagram entities are a) Circle c) Diamond	repre b) d)	esented by Rectangle Ellipse			
7)	Rows of a relation are called					
′)	a) tuple	b)	a relation			
	c) a data structure	d)	an entity			

8)	W h1	ch of the constraint can	be enfor	rced one per table
		a)	Primary key	2	
		b)	Not null		
		c)	Foreign key		
		d)	Check		
9)	Whi	ch of the following canno	ot be tak	xen as a primary key?
		a)	Id O	b)	Register Number
		c)	Dept Id	d)	Street
1	0)	Whi	ch of the following is not	t NOSQ	L Database?
		a) (Cassandra	b)	MongDB
		c)	SQL selver	d)	None of the above
				,	
1	1)	Wha	at are the type of NOSQL	_ Databa	ase.
		a) (Document database		
		b)>	Key value store		
		c)	Graph of column-orient	ed datal	pase o
	×	d)	All of the above		` \S.*
1.	2)	The	core principle of NOSQI	Lis:	SV*
		a)	High availability	b)	Low availability
		c)	Both high & low availab	ilityd)	None of the above
	2)	****		J	
1.	3)		ch of the following is no		, ·
		a)	Hierarchical	b)	Network
		c)	Distributed	d)	Decentralized
1	4)	T1	1 111	11 .	
1	14) The ability to query data as well as insert, delete alter is offered				
		a)	TCL (Transaction Contr	_	lage)
		b)	DCL (Data Control Lang		
		c)	DDL (Data Definition La		
		d)	DML (Data manipulation	n Langu	age)
1	5)	۸ 4	istributed transaction cor	, ha	if avarias are issued at one or
1	5)		istributed transaction car e nodes.	1 00	if queries are issued at one or
		a)	Fully read-write	b)	Partially read-write
		c)	Partially read-only	d)	Fully read-only
		C)	1 artially read-only	u)	1 unyicad-only
					26.
					$\dot{\mathcal{N}}$
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	16) Which statement is used to revoke an authorization.					
		a)	Revoke	b)\	Modify	
		c)	Alter	(a)	Commit	
	17) 18)	cent a) b) c) d)	istributed database has whi ralized database? Software complexity Slow response Modular growth Software cost		the following advantages over a	
	10)	a) c)	1996 1998	b) d)	1997 1999	
	19)	Whi	ch of the following is a NO	SOLI	Database?	
	17)		SQL	b)	JSON	
		6)	Document Database	d)	All of the above	
	6	× ()				
	20)	A sc	hedule in which each trans	action	is executed atomically is called a	
Q2)	Rela of de Patie done of de depa the ridone discl	eparti ent hat e fron ischatelop artme regulate by harge	thip XYZ hospital is a multisment, rooms, Doctors, nurse aving different kind of ailmenthe concerned doctors. If reged after treatment. The at a database for the hospitant, rooms and doctors in the patients, patient admitted the doctors, the patients and from the hospital.	special es, contents contents of all to the hosel in that I	ag system & explain notation & lity hospital that includes a names impounders of other working staff. Ome to the hospital of get checkup and they are admitted in the hospital of this case study is to design and maintain the records of various pital. It also maintains records of the hospital, the checkup of patient have been operated and patient [10]	
			ith example.	Phase	(10)	
			1			
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Q 3)	a) Describe the data base 3-tier schema architecture?b) Write short note on mobile database?			
	U)	write short note on moone database.	[5]	
	۵)	OR What is mad of the Detahage White characteristics of DDMS	[5]	
	a)	What is need of the Database? Write characteristics of DBMS.	[5]	
	b)	Write the characteristics of OODDMS.	[5]	
Q4)	a)	Write the log based recovery techniques with example?	[5]	
	b)	Write short note on Grant and revoking privilege with example.	[5]	
	`	OR OR	[5]	
	a)	What is Database Backup of types of backup?	[5]	
	b)	Write short note on mandatory Access control.	[5]	
Q5)	Evnl	lain the Inter query of Intraquery parallelizm in details with example	[10]	
Q 3)	LAP	OR OR	. [10]	
	Exp. exan	lain different between homogeneous and hetrogeneous database	with [10]	
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