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SARDAR PATEL UNIVERSITY

MCA (SEMESTER - 1) PS01CMCA23 (Database Management Systems - I) Monday 26th November 2018

7	Cime	: 10	0.00 am – 1.00 pm			Marks: 70
Q-1		Give answers of following Multiple choice questions. Relationship between an author and book is				[8]
	(1)					
		Α	One-to-one	В	One-to-many	
		С	Many-to-many	D	None of these	
	(2)		constantly query	d updating database.		
		Α	Casual end users	В	Parametric end users	
		C	Sophisticated end users	D	Standalone users	
	(3)	Wh	ich of the following is not a mul	ed attribute?		
		Α	Hobby	В	Skill	
		C	Age	D	Degree	
٠,	(4)	Dat	a having predefined characterist	ics is l	known as	
•		Α	Entity	В	Attribute	
		C	Information	D	Datatype	
	(5)		statement is used to c	the value of a particular field of a tal	ole.	
		Α	Alter	В	Update	
		C	Modify	D	Change	
(6)		_	system table is used to s	table level constraints.		
		Α	User_constratins	В	Data_constratins	
		C	Constratins_user	D	Constratins_data	
(7)		Th	e clause imposes a co	on on the GROUP BY clause.		
		٨	Where	В	Having	
;		C	OrderBy	D	None of these	
	(8)	WI	hen a DDL statement is issued _		is performed automatically.	
		A	Rollback	В	Checkpoint	
		С	Commit	D	Savepoint	
Q-2		Do	as directed. (ATTEMPT ANY	EN)	[14]	
		1. 2. 3. 4.	Major difference between Char What is a system catalog? Differentiate stored and derive What is the role of DBA?			(P.T.O)
	÷			1)	·	Page 1 of 2

		i e		·			
		5. Write syntax of SEQUENCE.					
		6. What is the importance of dua					
		7. Briefly explain any two E-R of					
		8. Explain any two numeric fund					
		9. Explain any one DML statem					
			•				
0.2		List types of data model. Explain any two in detail					
Q-3	A	List types of data model. Explain	any two m uctan		[6]		
			•				
	В	Explain users associated with data	abase systems and their i	roles	[6]		
	b						
		OR					
	В	Explain data sharing and data pro	tection in detail.		[6]		
Q-4	A	Give an example of each one.	•		[6]		
			2. Composite attribute	3. Single-valued attribute			
		4. Multi-valued attributes	5. Strong entity	6. Weak entity			
		•		•			
	В	Explain Dr. Edgar F. Codd's Rule	es.		[6]		
		OR					
	В	Draw an ER diagram & show c	ardinality for following	g information.	[6]		
		A library management system. I	nformation about books	such as book id, title, edition, and			
		price are stored. Each book has si	ingle or multiple authors	. Member including, name, address.			
		member type, member ld. Publisl					
		3 F 1 1 1 1 1 1 1 1 1 1	01				
0.5		1 Cive list of DCL commands			161		
Q-5	Α	1. Give list of DCL commands.	a and dutata assumented		[6]		
		2. Differentiate between truncat		•			
		3. List down any two rules for writing SQL.					
		4. What is the importance of view in database?					
		5. Major difference between primary key and unique key.					
		6. Explain any one string function	on with an example.				
				·			
	В	Discuss various types of constrai	nts giving an example.		[6]		
		OR					
				•			
	В	Write a short note on Commit. R	ollback & Savepoint.		[6]		
Q-6	A	Discuss various Arithmetic opera	itors, logical operators &	pattern matching operator in SQL.	[6]		
				,			
	n	Evalois different types of lains a	uch as solficin naturali	oin, and outer join with an example.	[6]		
	В	Explain different types of joins s	uch as sen join, naturar j	om, and odder join with an example.	[0]		
		C	PR				
	В	List down various aggregate fund	ctions and explain each y	with an example.	[6]		
	U	Dist down rangus aggregate run	one is and explain each	······ ···· ···· ·····················	[~]		
			_ ✓				
							
			(5)				
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