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SARDAR PATEL UNIVERSITY

M. Sc. (GEOINFORMATICS)
SEMESTER - I

PS01CGIN05 (RDBMS & CLIENT SERVER COMPUTING) 26TH OCTOBER, 2016

Time: 10:00 a.m. to 1:00 p.m.

, Marks : 70

	No	e: Answers of all the que questions) should be writte	stions (including m n in the provided ansv	ultiple choice ver book only.		
Q-1	Pick bool	up the most appropriate answer from	the given alternatives and	write in your answer	(8)	
	(1)	Which of the following are supported b	y transaction control stateme	ents?		
		(A) Commit, Rollback, Savepoint	(B) Alter, Execute, Drop)		
		(C) Insert, Remove, Delete	(D) All of the above			
	(2)	Find odd one out from the followings:				
		(A) Oracle (B) PostgreSQL	(C) MySQL	(D) MS-OFFICE		
	(3)	The provides command	for defining relation schema	, deleting relations and		
		modifying relation schema.				
		(A) DML (B) DDL	(C) DCL	(D) DQL		
	·(4)	PL/SQL is alanguage.				
		(A) natural (B) procedural	(C) natural	(D) none of these		
	(5)	Which is correct syntax to matches any				
		(A) %net (B) net%	(C) %net%	(D) _net%		
	(6)	The GROUP BY clause is used with		(-)		
		, ,	(C) DROP TABLE	(D) none of these		
	(7)	Primary key constraint can be assigned		(-)		
		(A) PRIMARY (B) PRIMARY KEY	(C) PRIMERY KEY	(D) none of these		
	(8)	DCL stands for				
		(A) Data Command Language	(B) Domain Control Langua	ge		
		(C) Data Control Library	(D) Data Control Language			
Q-2	Atte	mpt the following: (ANY SEVEN)			(14)	
	1)	What is RDBMS? List out benefits of RDBMS.				
	2)					
	3)	List out any Six Codd's rules.				
	4)					
	5)					
	6) 7)					
	′)	keywords.				
	8)	Write a note on Entity Relationship dia	agram.			
	9)	What is Trigger? Why is it used?				

. .	(n)	What is Normalization? Explain 1 st , 2 nd and 3 rd normal forms with example.		
•	(b)	A company has several departments. Each department has a supervisor and at least one employee. Employees must be assigned to at least one, but possibly more departments. At least one employee is assigned to a project, but an employee may be on vacation and not assigned to any projects. The important data fields are the names of the departments, projects, supervisors and employees, as well as the supervisor and employee number and a unique project number.		
		Answer the following questions:		
		 i. Find out various entities involved. ii. Find out relationships between identified entities. iii. Draw an ERD. 		
		OR		
Q-4	(b)	Draw a Context Level diagram, 1 st Level DFD and 2 nd Level DFD for Banking Environment. List down String related functions. Explain any four of them with syntax and example.		
	(a)	List down String related functions. Explain any test and example		
	(p)	Explain Stored Procedure with its syntax and example.		
		OR		
Q-5	(b)	-vitable ovamnie		
	(a)	What is PL/SQL? Explain the basic structure of a PL/SQL block? Explain in brief with suitable example the exceptional handling mechanism used in PL/SQL block.		
	(b)	a seek is the use of explicit and implicit cursor by taking suitable example.	[6]	
	. ,	OR		
Q-6	(b)	Write a note in Conditional and Looping Statements in PL/SQL block taking suitable example.	[6]	
	6 (a)	to king Client Sorver architecture.	[6]	
	, (a. (b	TO A SAVEDOINT commands with an example.	[6]	
	(υ	OR		
	,,) Write a note on Web Application Server and File Server.		
	(b	Milite a Hore on Med Waking and 1 - 1 - 1		

Wish You All The Best