Seat No.	
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P.T.O.

MM-109

March-2019

B.C.A., Sem.-VI

CC-308: Database Administration

Time: 2:30 Hours]							Max. Marks : 70
1.	(A)	Ansv	er the following				
	()	(i)	-	Oracle Database	Structure	e. (7
		(ii)				lti-tier Architecture	7
				OR			
		(i)	Discuss : The	different types	s of ora	acle users. Also	discuss the
			responsibilities o	f database admin	istrator.		
		(ii)	What is a tablesp	ace ? Explain the	e differen	t types of tablespac	es in detail.
	(B)	Ansv	er any four :				4
		(1)	-	s and upgrades	Oracle	database server a	and front-end
			applications.				
			(a) Security C	onsultants	(b)	Database Adminis	strator
			(c) Application	n Developer	(d)	Security administr	rator
		(2)	is a sys	tem privilege for	database	administrator.	
			(a) SYSTEM		(b)	SYS	
			(c) SYSDBA		(d)	All of above.	
		(3) Which of the operations can be performed by SYSOPER system p			m privilege ?		
			(a) STARTUP)	(b)	SHUTDOWN	
			c) CREATE	SPFILE	(d)	All of above	
		(4)	is define	d as virtual table	that deriv	es data from one or	more tables.
	1		(a) Table		(b)	Indexes	
	D		(c) Views		(d)	All of above	
		(5)	is defined as a shared memory that contains the data and controls information about a single Oracle instance.				a and controls
			(a) SGA		(b)	PGA	
			(c) Both (a) ar	nd (b)	(d)	None	

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		(6)	The process is responsible for copying the online redo log files to				
			storage device when Redo log files become full.			full.	
			(a)	ARCH	(b)	DBWR	
			(c)	LGWR	(d)	CKPT	
							4
2.	(A)	Ansv	ver the	e following :			
		(i)	Wha	t are control files? Discuss t	the consid	lerations for managing the control	
			files				7
		(ii)	Writ	e a detailed note on Data files	S.		7
				OR			
		(i)	Wha	t is Profile in Oracle? Explai	n creating	g and dropping of Profile.	
		(ii)				ferent types of database roles that	
			orac	le supports? Also discuss the	system le	evel roles.	
	(B)	Ansv	ver an	y four :			4
		(1)		are the right that enables	database ı	users to run the SQL statements.	
			(a)	Profiles	(b)	Roles	
			(c)	Privileges	(d)	Users	
		(2)	A	, in Oracle, is a datab	ase user	who can access and work with	
				le databases.			
			(a)	Profile	(b)	Role	
			(c)	Privilege	(d)	User	
		(3)	The	statement is use	ed to gra	ant system privilege or role to	
			datal	base users.			
			(a)	PRIVATE	(b)	REVOKE	
			(c)	PUBLIC	(d)	GRANT	
		(4)	se in the files.				
			(a)	Redo Log	(b)	Control	
			(c)	Data	(d)	None of above	
		(5)	The	files are generated autom	atically v	when the database is created.	
	7		(a)	Redo Log	(b)	Control	
			(c)	Data	(d)	None of above	
(6) Each database has at least one tablespace namely					amely		
		(0)	(a)	SYS	(b)	Both (a) and (c)	
			(c)	SYSTEM	(d)	None of above	
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3.	(A)	Ansv	wer th	ver the following:				
		(i)	i) Explain:					
			(1)	B-Tree index				
			(2)	Bitmap index				
			(3)	Function-based index.				
		(ii)	Exp	lain Clusters in detail.			7	
				OR				
		(i)	Wha	at is partitioning? How d	oes partitionin	ng increase manageability ?		
		(ii)	Wha	at is meant by rebuilding	indexes? Also	o explain the importance of index		
			vali	dation.			•	
	(B)	Ansv	wer ar	ny three :			3	
		(1)		is a method to free leaf	blocks for reu	se.		
			(a)	Rebuilding	(b)	Coalescing		
			(c)	Partitioning	(d)	None of above		
		(2)	030.50	refers to performing a	check to con-	firm that every entry in the index		
		(2)	noin	ts to the correct row of the				
			(a)	Index Rebuilding	(b)	Index Validation		
			(c)	Index Monitoring	(d)	Index Coalescing		
		(3)	A_	is a group of tables				
			(a)	Index	(b)	Non-unique index		
			(c)	Cluster	(d)	None of above		
		(4)	<u> </u>	_ indexes are indexes that	can be create	d on multiple columns of a table.		
			(a)	Composite	(b)	Unique		
			(c)	Bitmap	(d)	Reverse		
		(5)	which the key column value is					
		(5) indexes are B-Tree indexes in which the key column reversed while keeping the column order.						
			(a)	Composite	(b)	Unique		
		A	(c)	Bitmap	(d)	Reverse		
4	(A)	Ansv	wer th	e following:				
		(i)	Wha	at is optimizer ? State and	d explain the t	wo types of Optimizers.	7	
		(ii)						
	F.			OR				
		(i)	Wha	at do you mean by data	backup? A	lso explain physical and logical		
			back	cups.				
		(ii)	Wha	at is meant by data recov	ery ? Explai	n the different types of recovery		
			metl	hods.				

3)	Ansv	wer an							
	(1)	1) Which are the different data structures provided by Oracle, to rece							
		data							
		(a)	Online Redo logs						
		(b)	Roll-back and undo se	gments					
		(c)	Control Files						
		(d)	All of above						
	(2)		lump file and ex	ecutes the SQL					
		com	mands stored in the expe	ort file.					
		(a)	Import utility	(b)	Export utility				
		(c)	tablespace	(d)	None of above				
	(3)	The	plan is an al	gorithm for ret	rieving data from	the database.			
		(a)	execution	(b)	explain				
		(c)	optimal	(d)	tuning				
	(4)		refers to all the tasks	that are perfor	med to improve	the performance			
		of th	e database.						
		(a)	Optimizers	(b)	Tuning				
		(c)	Data Recovery	(d)	Data backup				
	(5)	Tuni	ng the involves	s grouping the	database objects	on the basis of			
		their	space usage.						
		(a)	Physical Storage	(b)	Memory usage				
		(c)	Logical Storage	(d)	None of above				

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