

Seat No. :	
DEAL NO.	

## XW-115

## April-2013

## B.C.A. (Sem.-IV)

## CC-208 DATABASE MANAGEMENT SYSTEM - II

Time: 3 Hours] [Max. Marks: 70 **Instruction:** Write new question from new page. 1. (A) (1) Explain the following commands giving example: 4 **CREATE ALTER** (a) (b) **DROP** (d) **DELETE** (c) What is a virtual table? State its purpose. Give an example of its syntax. (2) 3 Explain the different SQL constraint's. (1) 4 (2) Discuss the SQL data types. 3 (B) (1) Discuss special operators giving example: 4 (a) LIKE (b) **BETWEEN** (d) (c) IN **EXISTS** What are Aliases? How are they used in SQL queries? (2) 3 OR (1) Discuss the use of ORDER BY and GROUP BY. 4 Discuss the functions COUNT, MAX and SUM. (2) 3 2. (A) (1) Explain with diagram the BI framework. 4 (2) What is Business Intelligence? Discuss the general steps involved in BI. 3 OR Differentiate operational data and decision support data. (1) 4 (2) Discuss the basic BI architectural components. 3 (B) (1) What is Data warehouse and what are its main characteristics? 4 (2) Describe the decision support database requirements. 3 4 (1) What is OLAP and what are its main characteristics? What is Data Mining? Discuss the different phases in the data mining (2) process. 3

3.	(A)	(1) (2)						<b>4 3</b>		
		<ul><li>(1)</li><li>(2)</li></ul>		(a) Multiple- (b) Multiple- he components	-site processing		•	•	· ·	4 3
	(B)	<ul><li>(1)</li><li>(2)</li></ul>	distributi	Distribution on transparency he Two-phase of	у.		Explain	the differe	nt types of	4 3
		(1) (2)		the different ty Query optimiza	pes of database	e re	quests an	d transaction	s.	4
4.	(A)	(1) (2)	-	DATE & TIME Cross Join ? Giv		of i	ts syntax			4 3
		(1)	(a) UNION (b) UNION ALL (c) MINUS (student1 – student2) (d) INTERSECT					4		
			Studer				Student-2			
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			Stu_id		•				•	
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			1 2	Smith Riya	1234 3456		1 5	Smith Anu	1234 3333	
			1 2 3	Smith Riya Komal	1234		1 5 6	Smith Anu Smita	1234 3333 6666	
			1 2 3 4	Smith Riya Komal Ajay	1234 3456 8765 4444		1 5 6 4 7	Smith Anu	1234 3333	
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(A)	Fill in the blanks:				
	(1)	SQL is a language.			
	(2)	is a group of database objects.			
	(3)	Join operations are classified as and			
	(4)	OLAP stands for			
	(5)	In distributed database system, database is composed of several parts known as			
	(6)	is a small, single-subject data warehouse subset that provides decision support to small group of people.			
	(7)	Query optimization algorithms are classified as and			
(B)	State	True/False:	7		
	(1)	DDL stands for data definition language.			
	(2)	CHAR data type can have fixed length character data upto 250 characters.			
	(3)	The default order in ORDER BY clause is ascending.			
	(4)	TO_DATE function returns today's date.			
	(5)	Heterogeneity transparency allows integration of several different local DBMSs.			
	(6)	MDM stands for Multiple Database Management.			
	(7)	Distributed processing requires distributed database, but distributed database does not require distributed processing.			

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5.

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