

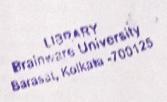


## **BRAINWARE UNIVERSITY**

**Term End Examination 2023-2024** Programme - MBA-2022 **Course Name - Database Management** Course Code - SM301 (Semester III)

(vi

a) Count



Full Marks: 60 [The figure in the margin indicates full marks]	Time: 2:30 Hours cs. Candidates are required to give their answers in their
	s as far as practicable.]
	Group-A
(Multiple C 1. Choose the correct alternative from the fa	Choice Type Question) 1 x 15=15  ollowing:
(i) Select from the following alternatives wh	nich is a feature of DBMS
a) Minimum Duplication and Redundance Data	y of b) High Level of Security
c) Single-user Access only (ii) Select from the following alternatives where the control of the	d) Support ACID Property nich is not a function of a database
<ul> <li>a) Managing stored data</li> <li>c) Security for stored data</li> <li>(iii) Select from the following alternatives w type that share same properties, or attri</li> </ul>	
<ul><li>a) Relation set</li><li>c) Entity set</li><li>(iv) An association between father and his o</li></ul>	b) Tuples d) Entity Relation model nly child is
<ul><li>a) 1:1 relationship</li><li>c) 1:M relationship</li><li>(v) A set of objects that share a common str</li></ul>	b) M:M relationship d) None of these ructure and a common behaviour is called
a) Object c) Class vi) In an E-R model oval represents	b) Entity d) None of these
a) entity sets c) attibutes	b) relationships d) links
ii) Choose from the following alternatives v	
<ul><li>a) AVG</li><li>c) Minimum five exit paths out of the net</li></ul>	b) Where twork d) Sum
	which of the aggregate functions in SQL does

b) Count(\*)

(ix	<ul> <li>c) Max</li> <li>Choose from the following altern</li> </ul>	d) Min atives which command is used to get all the columns	
	III a table		
	a) # c) *	b) %	
(x)	Choose from the following altern	d) @ latives which clause is used in the CREATE TRIGGER	
	command to create a row-level to	rigger	
77	a) For Row	b) Row level trigger	
	c) Pow level	d) None of these	
(XI)	Tables with rows and columns ca		
	a) Analytical Models c) Composite Models	b) Relational Models	
(xii	The row in a table is known as	d) Database Models	
	a) Tuple	b) Name	
	c) Attribute	d) None	
(xiii	The column of a table contains		
	a) wi-fi protected access	b) wired protected access	
	c) wired process access	d) wi-fi process access	
(xiv	The queries are translated into _ used there as well.	expressions at the level of the file system, which are	
	a) Virtual	b) Real	
	c) Physical	d) None	
(xv	As soon as the queries are transformations are performed.	lated, they are evaluated and various	
	a) Query-realizing	b) Query-optimizing	
	c) Query-deoptimizing	d) Query-deletion	
		Group-B	
	(	Short Answer Type Questions)	3 x 5=15
2. Describe Schema and instance with examples.		(3)	
3. E	Explain different mapping cardinalities available in ER diagram.		(3)
4. D	4. Differentiate between B tree and B+ Tree.		(3)
5. E	xplain trigger	1 - 1 -	(3)
6. Illustrate with an example what is Attributes and Tuples  OR		(5)	
		UN .	(3)
E	plain the types of Indexing.		
		Group-C	
	(Long Answer Type Questions)		5 x 6=30
		AND ALL SHEET OF THE POST FREE CALLS	
7 /	compare among hierarchical, net	work and relational dbms	(5)
7. 0	<ol> <li>Compare among hierarchical, network and relational dbms</li> <li>Explain how search is performed in B+ tree.</li> </ol>		(5)
0. [			(5)
10 [	10. Define Cartesian join and natural join with example.		(5)
11 [	Define Aggregate functions. Expla	ain with example	(5)
12 F	xplain referential integrity const	raint	(5)
		OR	(5)
,	Write a short note on stored prod	cedure	(5)

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