Seat No:	Enrollment No:			
	PARUL UNIV	ERSITY		
	FACULTY OF ENGINEERIN			
<b>a</b>	B.Tech. Summer 2021 -	22 Examination	D 00/00/0000	
Semester: 8 Subject Code: 203105485 Subject Name: Advance Database System			Date: 30/03/2022 Time: 10:30 AM to 1:00 PM Total Marks: 60	
			Total Walks. 00	
Instructions:				
<ol> <li>All questions are compuls</li> <li>Figures to the right indica</li> </ol>				
3. Make suitable assumption				
4. Start new question on nev				
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	ons - (Fill in the blanks, one-wor sory) (Each of one mark)	d answer, MCQ-not mo	ore than Five in case of (15)	
1. Some of the colu	mns of a relation are at different	sites is which of the fol	llowing?	
a) Data Replication		) Horizontal Partitionii		
c) Vertical Partition	ng d	l) Horizontal and Vertic	cal Partitioning	
2. A RDBMS is a coll				
a) Tables	b) Fields			
c) Records	d) Keys			
3. Which of the follow	ving is a feature of DBMS?			
a) Minimum Du	nlication			
b) High Level of				
c) Single-user A	•			
d) Support ACII	•			
,	ollowing is a procedural language	2?		
a) Damain nalati	and adaptive			
<ul><li>a) Domain relati</li><li>b) Inner join</li></ul>	onal calculus			
<ul><li>c) Natural join</li><li>d) Relational alg</li></ul>	ahua			
d) Relational alg	еога			
5. Which of the follow	ing is not a type of database?			
a. Hierarchical	b. Network c. Distribute	d d. Decentralized	1	
6. DBMS stands for	·			
	attribute which is the primary k	:	1 1 2 701	

attribute in that relation.

9. ORDBMS stands for\_\_\_\_\_

10. OODBMS stands for\_\_\_\_\_

11. Transaction servers which are widely used in \_\_\_\_\_\_ database systems

	12. Throughput the number of tasks that can be completed in a given interval				
	13. Shared nothing processors share neither a common nor common				
	14. What "D" stands for in ACID properties of transaction?				
	15. Key word for Alternative key is				
Q.2	Answer the following questions. (Attempt any three) A) What is SQL? What are the SQL commands?	(15)			
	B) Explain Transactional workflow with an example.				
	C) What is the difference between File system and DBMS?				
	D) Explain Distributed Query processing.				
Q.3	A) Explain Different Transaction Processing Monitor Architectures.	(07)			
	B) Difference between DBMS and IR Systems	(08)			
	OR B) Explain Real Time Transaction System and Long Duration Transactions.	(08)			
Q.4	A) Explain Data Model for XML, Storage of XML Data, Document Schema and Querying XML Data.	(07)			
	OR				
	(A). Features of distributed databases vs centralized databases and explain Distributed DBMS architecture.	(07)			
	B) Design a framework for query optimization.	(08)			