GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC - SEMESTER– IV EXAMINATION – SUMMER 2024

Subject Code: 1140501　　　　　　　　　　　　**Date:15-05-2024**

Subject Name: Advanced Database Management System

Time:10:30 AM TO 12:30 PM　　　　　　　　**Total Marks:50**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Simple and non-programmable scientific calculators are allowed.**

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Q.1	**(a)**	Explain DML with example.	**05**
	(b)	Explain Commit, Save point, Rollback with example.	**05**
Q.2	**(a)**	Write a note on trigger.	**05**
	(b)	Define Cursor. Explain its types with example.	**05**
		OR	
	(b)	Define Packages. Explain Package specifications and list the advantages of packages.	**05**
Q.3	**(a)**	Explain data types of PL/SQL.	**05**
	(b)	Define Functional dependency. Explain its types.	**05**
		OR	
Q.3	**(a)**	Write a note on Control Structures of PL/SQL.	**05**
	(b)	Explain closures of a set of functional dependencies	**05**
Q.4	**(a)**	Define Decomposition. Explain Lossy Decomposition with example.	**05**
	(b)	Explain 1NF with example.	**05**
		OR	
Q.4	**(a)**	Define Decomposition. Explain Lossless Decomposition with example.	**05**
	(b)	Write a note on normalization and its types.	**05**
Q.5	**(a)**	Explain 2NF with example.	**05**
	(b)	Define transaction. Explain transaction concepts in details.	**05**
		OR	
Q.5	**(a)**	Explain 3NF with example.	**05**
	(b)	Explain methods for Concurrency Control.	**05**

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