Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– III • EXAMINATION – SUMMER 2017

Subject Code: 3630009   **Date: 09/06/2017**

Subject Name: Procedure Programming in SQL

Time:02:30 pm - 05:00 pm   **Total Marks: 70**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Write SYNTAX wherever necessary.**

Q.1	**(a)**	Explain the PL/SQL block structure. What are the advantages of PL/SQL?	**07**
	(b)	What is a database lock? Explain the type of lock with example.	**07**
Q.2	**(a)**	List the special data types of PL/SQL and explain with example. (%TYPE & %ROWTYPE)	**07**
	(b)	What is cursor? Explain Implicit cursor attributes.	**07**
		OR	
	(b)	What is difference between implicit and explicit cursor? Explain parameterized cursor	**07**
Q.3	**(a)**	Why trigger are used and explain trigger qualifier.	**07**
	(b)	Explain function with example in details. What are difference between function and procedure?	**07**
		OR	
Q.3	**(a)**	Explain procedure with example. What are the advantages of using procedure?	**07**
	(b)	Explain Decode, Rollback, Save Point with example	**07**
Q.4	**(a)**	What are database triggers and Explain types of triggers?	**07**
	(b)	What is an exception? Explain with example. How is an exception raised and handled.	**07**
		OR	
Q.4	**(a)**	Explain View and Materialized view with example.	**07**
	(b)	Explain the Package Specification and Package body with example	**07**
Q.5	**(a)**	What is index? How many types of index explain one of them?	**07**
	(b)	Explain sequence with example.	**07**
		OR	
Q.5	**(a)**	Explain if condition, For loop, While loop and go to statement.	**07**
	(b)	Explain Variable array with example	**07**

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