Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY MCA – SEMESTER – III • EXAMINATION – WINTER - 2016

	Subject Code: 3630009 Subject Name: Proceeding in SOI			Date:09/01/2017
Subject Name: Procedure Programing in SQL Time:10.30 am to 01.00 pm Instructions:			Total Marks: 70	
	1. 2.	Attempt Make sui	all questions. itable assumptions wherever necessary. to the right indicate full marks.	
Q.1	(a)	Identify T	rue or false and Justify.	07
		a.	Trigger can execute explicitly when triggering ev	ent happen.
		b.	The datatype '%type' is used to define record stru	acture in PL/SQL.
		c.	The data dictionary 'user_source' is used to see c PL/SQL.	eode of any object in
		d.	Exception can occur in declarative, execution and of PL/SQL block.	d exception section
		e.	Package can have parameters defined.	
		f.	Commit and Rollback statements not allowed in	trigger.
		g.	SQL% found is the explicit cursor attribute.	
	(b)		exception? Discuss user defined and pre-defined Exing example.	sceptional handling 07
Q.2	(a)	(a) Do as directed.		07
		. (Assume table EMP(empno, name, salary, gender, deptno)		
			rite a procedure which print all records of employe eater than 20,000.	ee whose salary is
		ii. Di	iscuss Cursor For loop giving example.	
(b)		Attempt th	he following questions:	07
			That is difference between local function and stored ith example.	function? Discuss
		ii. Ex	xplain concept of sequence giving example.	
	(b)	Answer in	OR a brief	07
	(U)			
			xplain concept of hierarchical queries giving examp	ole.
		ii. Ex	xplain Decode method giving example.	

Q.3	(a)	Attempt the following questions	07
		i. Explain Iterative Control structure (while loop and For loop) with example.	
		ii. Explain PL/SQL transactions in detail.	
	(b)	Write a PL/SQL block to print student name in format: Note: Input first name, middle name and last name from user. i. Puja S. Shah ii. P.S.Shah iii. PSS	07
0.0		OR	0=
Q.3	(a)	Attempt the following questions i. Discuss Advantages of PL/SQL and show execution environment of PL/SQL with diagram.	07
		ii. What is cursor? Discuss explicit cursor giving example.	
	(b)	Assume table EMP(empno, name, salary, gender, deptno)	07
		Write a PL/SQL function to count total number of employees gender wise.	
Q.4	(a)	Explain concept of view giving example.	07
	(b)	Explain Index by table in collection method giving example.	07
		OR	
Q.4	(a)	Explain package concept with example.	07
	(b)	Write a trigger which allows only insertion in employee table whose name starts with 'P'.	07
Q.5	(a)	Explain database trigger concept with example.	07
	(b)	What is collection? Explain Varray method giving example. OR	07
Q.5	(a)	Write a trigger which do not allow insertion or updation on EMP table if day is Sunday.	07
	(b)	Explain concept of index in PL/SQL.	07
