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GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING - SEMESTER - IV-EXAMINATION - WINTER 2015

Subject Code: 340704 Date: 07/12/2015

Subject Name: RDBMS

Time: 02:30 PM TO 5:00 PM Total Marks: 70

Instructions:

- 1. Attempt any five questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. Each question carry equal marks (14 marks)

Q.1	(a) (b)	Explain TCL command in detail Define view and explain it with its proper syntax.	
Q.2	(a)	What is procedure? Explain advantage of using procedure and function in oracle.	07
	(b)	Write a PL/SQL block that will accept an account_no from user, check that if users balance is less than 2500/- than deduct rs 100/- from the balance .[Consider table name as Account_master (account_no, Name, balance) OR	07
	(b)	Write a PL/SQL block to update salary of all employe by 10% with use of cursor. Consider the table Employe(eid,ename,dept,salary)	07
Q.3	(a)	Define trigger. Explain different types of trigger.	07
	(b)	Explain different anomalies arises in database with suitable example. OR	07
Q.3	(a)	What is normalization? Explain 1NF, 2NF and 3NF with example	07
	(b)	Explain Armstrong axioms. How Armstrong axioms are sound and complete for computing clouser set.	07
Q.4	(a)	Explain ACID property of transaction.	07
	(b)	Consider Relation R(ABCEF) with following FDs: A->BC, E->CF, B->E find out {A,B}+	07
0.4	(0)	OR Explain three different consumers of mobiles	07
Q. 4	(a) (b)	Explain three different concurrency problem. Explain two phase locking protocol.	07
Q.5	(a)	Explain BCNF with suitable example.	07
	(b)	Explain different state of transaction. OR	07
Q.5	(a)	What is firewall? Explain different types of firewall.	07
	(b)	Explain buffer management of recovery system.	07
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