Maximum Marks: 75

G1140DB19

Duration: - 2.30 hrs

Sem - III

	·	
	Note: - All Questions are Compulsory	
Q.1	Attempt the following questions (Any Three)	(15
	a. What are the different database users?	
	b. Explain the levels of obstruction in database?	
	c. Define Data Model in details.d. Explain the Class diagram with suitable example.	
	e. Define the following Term	
	1. Domain 2. Tuples 3. Altribute 4. Relation 5. Entity.	
	f. What is UML?	
0.0	A44 (A (A) (A) (A) (A) (A) (A) (A) (A) (A)	
Q.2.	Attempt the following questions (Any Three) a. Explain First Normal Form in detail.	-(15)
	b. Explain Referential Integrity and its rules.	
	c. Write short note on Primary Key and Foreign Key?	
	d. What is Relational Calculus?	
	e. Define Selection and Projections with the help of example.	
	f. Write short note on Cartesian Product Operation.	
0.3.	Attempt the following questions (Any Three)	(15)
ų.o.	a. What are Null Values in SQL?	(10)
	b. What is view? Explain how to create a View?	
	c. What are constrains? What are the different types of constrain?	
	d. State with Example how subquery can be used with insert, update and	
	delete?	
	e. Explain the join relations with different types of join.	
	f. Consider the following relations.	
	Emplyee (empid, empname, manager id, Deptid, Salary) Dept(Dept id, Deptname)	
	Perform the following queries on above table	
	1. Display the employee name along with their manager name	
	2. List all the employee whose name start with 'S'	
	3. List all the employee whose name end with 'm'	
	4. Add a new Column hiredate in the enp table	
	5. Display the employees details whose salary is greater than 5000.	
0.4.	Attempt the following questions (Any Three)	(15)
	a. Define Serializibility in details.	
	b. Define deadlock and types of lock used for concurrency control.	
	c. Explain Database recovery Management.	
	d. Write short not on properties of transaction.	
X	e. Explain control transaction Management.	
	f. Write short note on Schedule?	
Q.5.	Attempt the following questions (Any Three)	J (15)
	a. What is PL / SQL? State Advantage of PL / SQL	•
	b. Create a Cursor to update salary of all the employees by 20%.	
	c. Explain use of % Type and % Row Type with Example.	
	d. Differentiate between Procedure and Functions?	
	e. Explain how to create package in PL /SQL.f. Explain types of control structure in PL/ SQL.	
	f. Explain types of control structure in PL/ SQL.	
