

Instructions to the Students:

1. Assume suitable data wherever necessary.

Q.1	Attempt all from following.	(Level/CO)	Marks
A	Type of query that is placed within a WHERE or HAVING clause of another query is called a) Master query b) Sub query c) Super query d) Multi-query	C02	6
B	The language used application programs to request data from the DBMS is referred to as a) DML b) DDL c) Query language d) All of the Mentioned	C02	
C	Cartesian product in relational algebra is a) Unary operator. b) Binary operator. c) Ternary operator d) not defined.	C02	
D	The operation of a relation X, produces Y, such that Y contains only selected attributes of X. Such an operation is a) Projection b) selection c) Intersection d) union	C02	
E	Relational algebra is a) DDL b) DML c) TCL d) Procedural query language	C02	
F	Which of the following is not a valid binary operation in the relational algebra? a) project b) union c) set difference d) Cartesian product	C02	
Q.2	Attempt any two from following		3 X 2
(A)	Explain DDL, DML and TCL commands with suitable example	C01	
(B)	Attempt following 1. Add an attribute named 'Designation' to the table 'Emp'. 2. Modify the table 'Emp', Change the datatype of 'salary' attribute to double. 3. Drop the attribute 'deptname' from the table 'emp'.	C01	
(C)	Explain different users of database approach	C01	

Q. 3	Attempt following queries	CO3	8 X 1
(A)	Attempt any 4 sql queries for following. Employee(e_name, street, city) Works(w_name, c_name, sal) Company(c_name, city) Manages(m_name, manager_name, city) a) Find names of all employees who works for wipro and earn more than 10000 b) Find company name which is located in same city as that of wipro (assume wipro is located at multiple location) c) Find company name that has most number of employees d) Find names of employee who earns more than wipro employee e) Find name of employee who lives in same city as Ramsh. f) Find name of employee who earns more than average salary of wipro employee		
*** End ***			