

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Sep 2019

Course: B. Tech in Information and Technology

Sem: V

Subject Name: Database Management System

Subject Code: BTTC501

Max Marks: 20

Date: 18/09/2019 Duration: 1 Hr.

Instructions to the Students:

1. Assume suitable data wherever necessary.

		(Level/CO)	Marks
Q.1	Attempt all from following.		6
A	Type of query that is placed within a WHERE or HAVING clause of another query is called _____	CO2	
B	The language used application programs to request data from the DBMS is referred to as _____	CO2	
	a) DML b) DDL c) Query language d) All of the Mentioned		
C	Cartesian product in relational algebra is _____	CO2	
	a) Unary operator. b) Binary operator. c) Ternary operator d) not defined.		
D	The operation of a relation X, produces Y, such that Y contains only selected attributes of X. Such an operation is _____	CO2	
	a) Projection b) selection c) Intersection d) union		
E	Relational algebra is _____	CO2	
	a) DDL b) DML c) TCL d) Procedural query language		
F	Which of the following is not a valid binary operation in the relational algebra ?	CO2	
	a) project b) union c) set difference d) Cartesian product		
Q.2	Attempt any two from following		3 X 2
(A)	Explain DDL, DML and TCL commands with suitable example	CO1	
(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'.	CO1	
(C)	Explain different users of database approach	CO1	

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

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