

School: School of Engineering and Technology

Program/s: BCA

Year: 2nd Semester: 3rd

Examination: End Semester Examination

Examination year: December - 2021

Course Code: CA219

Course Name: RDBMS

Date: 08.12.2021

12 2021

Total Marks: 40
Total Pages: 1

Time: 8:30 to 10:30am

Instructions:

→ Write each answer on a new page.

→ Use of a calculator is not permitted.

→ Draw all the required diagrams.

→ * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details				Marks	COs*	BTL#
Q.1	Explain in detail any 5 basic operations of relational algebra using the below tables. Department Table				10		
	Emp Name		Department				
	Joel		Finance				
	Anna		Marketing			~~.	BT2,
	Monica		HR			CO1	BT3,
	Employee Table						BT6
	Name	Area		City			
	Joel	Maninagar		Ahmedabad			
	Riya	Karelibaug		Vadodara			
	Anna	Navrangpu	ıra	Ahmedabad			
	Rohan	Vasna			10		BT1,
Q.2	Define Relational Database Management System. Explain in detail ACID properties.				10	CO1.CO2	BT1, BT2,
Q.3	Explain in detail the following terms: a. Data blocks				05	CO3	BT1, BT2
Q.4	b. Extents Explain in detail relational calculus with proper examples.				05	CO2	BT1, BT2, B3
Q.5	Write a short note on LOCKS				10	CO2	BT1, BT2

************End of Question Paper********