

Examination	January 2022 – I n: In-Semester Ex	May 2022 kamination	Accident (report Owns (driver_id
Programme:	CI	ass: SY	Semester: IV (SVU 2020)
Name of the Constituent College: K. J. Somaiya College of Engineering	a panwio odiw sign	Name of COMP	the department:
Course Code: 116U01C403 Name of	the Course: Rela	tional Data	abase Management System

Question No.	iv. Write a trigger to raise an exception "No negative damage amount i	Max. Marks		
Q.1	Answer any 2			
	a. What are the drawbacks of file system and which features of DBMS handles those drawback.b. Explain the three level schema architecture of DBMS and different			
	levels of dependencies in this architecture with diagram. c. Draw DBMS architecture and role its components with diagram.			
Q.2	Consider following relation:	10		
	Student(RollNumber, StudentName, Address)			
	Teachers(TeacherID, TeacherName, TeachingSubject)			
	Associated_with(RollNumber, TeacherID)			
	Write the relational algebra expression for the following:			
	i. Find the name of Students who live in 'Mumbai'.			
	ii. Find the name of teacher who teaches 'DBMS' Subject.			
	iii. Find the name of teacher who teaches 'TAC' Subject to 'John Smith'			
	Student.			
	iv. Delete records of students whose address is 'Pune'.			
	OR			
	Design Relational Mapping for the following ERD.			
	city name description part-num			
	address Manufacturer made-by m Part m			
	ID name contains			
	Mob no Customer 1 order Order			
	(ordet-num)			

Q.3	Consider following relations:	10
	Person (driver id, Name, address)	10
	Car (license, model, year)	
	Accident (report_no, adate, location)	
	Owns (driver 1d, license)	
(SVU	Participated (driver_id, license, report_no, damage_amount)	
	Assume some tuples in relations and write the SOI for the following.	
	in 2004.	
	ii. Write DCL command to create new user 'Alice' and grant only select and insert access rights to relation 'Person'.	
	iii. Create a view to count number of reports generated in each location.	
mM	iv. Write a trigger to raise an exception "No negative damage amount is allowed" while adding entries in the respective table.	

iii. Find the name of teacher who deches 'TAC' Subject to 'John Smith'