

Mid Term (Odd) Semester Examination October 2024

		Roll no. 2392164	•••••
Name of the Course and semester: I Name of the Paper: Introduction to Paper Code: TBC302		ems	
Time: 1.5 hour		Maximum Marks: 50	
Note: (i) Answer all the questions by (ii) Each question carries 10 ma (iii) Please specify COs against		questions	
Q1.a. Compare the Database ManagerSystems that DBMS overcomes?		(10 Marks) File System. What are the limitations of	f File
b. Explain the concept of data mod	OR dels in DBMS. Discuss the va	arious types of data models with exampl	es.
	OR	(10 Marks) ow it helps in achieving data independe n DDL, DML, and DCL, and how they	nce.
Q3. a. What are the different types of l Candidate Key, and Primary Key b. Discuss the concepts of Genera	with examples. OR lization, Specialization, and A	(10 Marks) ip (ER) Model? Explain Super Key, Aggregation in the ER Model. Provide	
examples to illustrate each conceptod. a. Explain how ER diagrams can land keys in your answer.		(10 Marks) s. Include examples of mapping constra	ints
b. Explain all Codd's rules for a re	OR elational database management	nt system (RDBMS) with examples.	
Q5. a. Define and explain the key continue Relational Data Model.		(10 Marks) erential Integrity) and Domain Constrain	nts in
b. Write and explain any five basi	OR c operations of Relational Al	gebra with suitable examples.	