Enrollment N	C. U. SHAH U Winter Exam	NIVERSITY	
Subject Name	e: Database Management System		
Subject Code: 4TE03DMS1		Branch: B.Tech (CE)	
Semester: 3	Date: 13/01/2022	Time: 11:00 To 2:00	Marks: 70
(2) Instru(3) Draw	f Programmable calculator & any o ctions written on main answer book neat diagrams and figures (if neces me suitable data if needed.	are strictly to be obeyed.	hibited.
b)c)d)e)f)g)h)i)	d. code Which command is used to remove a. Drop table b. Delete c. Purg Which one of the following refers to a. Directory b. Sub Data c. Ware	DCL d. DML the database? es containing data c. Data in the for ample of DBMS? BM DB2 d. Google esign of the database. ram c. Data definition language a relation from an SQL? e d. Remove the "data about data"? house d. Meta Data is a full form of SQL. c. Structured d. Server sidion about database or about the syructured d. System integrity and database consistence ploy? is d. Cursors	ge le stem.



a. Conceptual Level b. Physical Level c. File Level d. Logical

1) Which join refers to join records from the write table that have no

describes exactly how the data actually stored?

Level

	,	a. Name b. Street c. Id d. Department	
Atter	npt any	four questions from Q-2 to Q-8	
Q-2	a) b)	Attempt all questions What is DDL? Explain any three commands with proper example. Draw and explain Architecture of ANSI SPARC Database Architecture.	(14) 7 7
Q-3		Attempt all questions	(14)
	a)b)	Give the differences between DA and DBA. List out different types of database model and explain any one in detail.	7 7
Q-4		Attempt all questions	(14)
	a) b)	Write a note on different constraints in DBMS. Draw ER diagram for college management system.	7 7
Q-5	a) b)	Attempt all questions Explain Primary key & Foreign key with Suitable example. Write a note on different aggregate function in SQL.	(14) 7 7
Q-6	a) b)	Attempt all questions List out and explain different types of joins used in DBMS. Explain steps of query processing with the help of neat diagram.	(14) 7 7
Q-7		Attempt all questions	(14)
	a) b)	Explain function, procedure and cursor in SQL. What is Normalization? Why it is useful? Explain 3NF and 4NF with example.	7 7
Q-8		Attempt all questions	(14)
	a)	Explain Specialization, Generalization and Aggregation concept with diagram.	7
	b)	Explain following relational algebraic operation (i) Selection (ii) Union (iii) Cross product with example.	7

matching key in the left table are include in the result set:

a. Create table b. Modify table c. Alter table d. Drop table. n) Which one of the following attributes can be taken as a primary key?

m) To include integrity constraint in an existing relation use:

c. Full outer join d. Half

a. Left outer join b. Right outer join

outer join

