		(v) LOWER ()	
		(vi) LENGTH ()	6
9.	(a)	Explain while loop in PL/SQL with example.	6
	(b)	Explain:	
		(i) Commit	
		(ii) Rollback	
		(iii) Auto commit	
		(iv) Save point	6
		OR	
10.	(a)	What is cursor? How to declare cursor? Exp	lain.
			6
	(b)	Explain Block in PL/SQL with all sections.	6

В.	C.A. Part-	-II (Semester-III) Examination	
	DATABAS	SE MANAGEMENT SYSTEM	
		Paper—3ST3	
Time—	Three Hour	s] [Maximum Marks-	-60
N.I	B. :— (1)	All questions are compulsory.	
	(2)	Draw neat sketches wherever necess	sary.
1. (a)	-	data independence? Explain physical lence and logical data independence.	data 6
<i>a</i> .	-		
(b)	What is	DBA? Explain responsibilities of the D	љд. 6
		OR	
2. (a)	Explain :		
	(i) Hie	rarchical Data Model	
	(ii) Ne	twork Data Model	
	(iii) Rel	ational Model.	6
(b)) Explain	difference between a file oriented sy	stem
	and a da	ntabase oriented system.	6

3.	(a)	Ex	plain :	6	6.	(a)	Explain any three DDL commands with exam	nle.
		(i)	Relational algebra					6
		(ii)	•			(b)	Explain View with example and state the advant	
		(iii)	Domain calculus		7			6
(b		Ex	lain BNF and BCNF.	6	7.	(a)	1	
			OR What is Normalization? Explain 1NF and 2NF.			4)	P. 1.	6
4.	(a)	Wł				(b)	Explain: (i) MIN()	
	(b)	Exp	plain set operations:				(ii) MAX()	
		(i)	Union				(iii) AVG()	
		(ii)	Intersection				(iv) COUNT()	
		(iii)	Difference				with example.	6
		(iv)	Cross product.	6			OR	
5.	(a)	Wh	at is Join? Explain types of Joins.	6	8.	(a)	What is join operation? Can we join more than tables? Explain with example.	_
	(b)	Wri	te SQL statement :			(b)	Explain following character functions:	6
		(i)	To display different jobs in emp table.			(0)		
		(ii)	To find name of the employee with see	e with second			(i) RTRIM ()	
			maximum salary in emp table.				(ii) LTRIM ()	٠,
		(iii)	To display department wise average salary.				(iii) LPAD ()	
				6			(iv) UPPER ()	
			OR					
UZR-	46 75	2	2 (Co	ntd.)	UZR	-4675	52 3 (Con	td.)