		$PART - B (5 \times 10 = 50 \text{ Marks})$	Marks	BL	СО	Pe
		Answer ALL Questions	Trains	-		
26 a	What is	data manipulation language? Explain	10	2	1	1
20. a.	(i)	Insert				
	(ii)	Update				
	(iii)	Delete				
	(iv)	Select				
	. ,	ands with example.				
1.	A	e the data base model of	10	3	1	2
D.		10	3	1		
	(i)	Hierarchical Partitional Control of the Partitional Control of the Partitional Control of the Partitional Control of the Partition of the Part				
	(ii)	Relational for practical deployment				
27. a.	Develop	E-R model for online shopping system with proper notation.	10	3	2	3
		(OR)				
Ъ.	What ar	re constraints? Explain domain constraints with SQL statements.	2+8	2	2	4
28. a.		the use of join operation? How is the simple and outer join operation ented in SQL? Give examples.	2+8	3	3	5
		(OR)				
b.	What is	trigger? How triggers are implemented in PL/SQL?	2+8	2	3	1
29. a.	Give th	10	3	4	2	
	(i)	Outer join				
	(ii)	Assignment				
	(iii)	Select operation				
		(OR)				
b .	What is	the pit fall in relational data base? How it can be rectified? Explain	10	3	4	3
	1st norm	al form.				
20 .	XX71		210	2	5	1
30. a.	wnat is	serialization? Explain testing of seriability with examples.	2+8	2	5	4
		the sales and the (OR)				30%
b.	Give		5+5	3	5	5
	(i)	Dead lock detection mechanism				
	(ii)	Dead lock prevention mechanism				
		Applied in the state of the sta				

Reg. No.							

B.Tech. DEGREE EXAMINATION, NOVEMBER 2022

Sixth/ Seventh Semester

18CSC303J – DATABASE MANAGEMENT SYSTEMS

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

(i)	Part - A should be answered in OMR sheet within first 40 minute	s and OMR sheet should be har	ided over									
(ii)	to hall invigilator at the end of 40 th minute. Part - B should be answered in answer booklet.											
Time: 2	Max. Mari	Max. Marks: 75										
	$PART - A (25 \times 1 = 25 Marks)$	Marks BL	CO PO									
	Answer ALL Questions											
1.	What is the output of the command SELECT * from emp w	here sal >1000?	1 1									
	그 사람이 살아내는 사람이 가장 되었다. 이 수 있는 사람들은 사람들이 되었다면 하는데 그는 사람들이 되었다면 하는데 그렇게 되었다면 하는데 살아 보는데 살아 보다 살아 보다 살아 보다 살아 먹었다.	nployees whose										
	(C) Retrieve only one record of (D) Select only en employees whose salary is salary greater greater than 1000 table	nployee to store in than 1000 from										
2.	Which is scalable data base model?	1 1	1 2									
	(A) E-R model (B) Relational mo	đel	40									
	(C) Hierarchical model (D) Flat model											
3.	Which is not a domain constraints?	1 1	1 3									
	(A) Not null (B) Check											
	(C) Unique (D) Foreign key											
4.	Data manipulation language is used for	1 1	1 4									
		the data base										
	(C) Managing database operation (D) Specify the da	tabase schema										
5.	Logical level of abstraction deals .	1 1	1 5									
	(A) How to store to record (B) Hiding unauthorized to	details form user										
	(C) Data storage in database and (D) Hiding details relationship among the data	from any user										
6.	Which is not single value attribute?	1 1	2 2									
	(A) Mobile number (B) Gender											
	(C) Data of birth (D) Register numb	oer										
7.	Conversion of ER model into relational table for strong en value attribute creates	tity set with multi 1 1	2 2									
	(A) 1 table (B) 2 table		1									
	(C) 3 table (D) 4 table											

Note:

re	a primary key that will be a eferential key for table not a referential key	1 1	2	. 3			Functional dependency (A) Avoid data redundancy (B) Avoid dependency (C) Not good for good database (D) Make database complex for query	4 3
	ine arrow head illed arrow head	1 1	-2	. 4	1		Which is not a type of normalization? (A) 1 st norm form (B) 2 nd norm form (C) Bryce-codd normal form (D) 6 th normal form	4 4
	is many-to-one cardinality is one-to-one cardinality	1	1 2	: 5	P.A	20.	Condition for 2 nd norm form (A) It must be 1 st norm form (B) It must be functional independent non primary key attributes	4 5
11. The SQL command to insert employee name j clerk is(A) Insert emp values (500,jack, (B) In		1 1	1 3	1	l		(C) It must have functional (D) It must be in Boyce-Codd independency normal form	5
clerk) 'ja (C) Insert into emp (500, jack, clerk) (D) In	ack', 'clerk') nsert into emp (500, 'jack', clerk')					21.	Wait-die is a (A) Time stamp based dead lock (B) Dead lock update mechanism prevention mechanism	5 1
12. Correlated subquery		1	1 3	3 2	2		(C) Buffer management mechanism (D) Task management mechanism	5 2
(C) Is executed multiple times (D) Is	ecord returned by outer query s inner query executed multiple me for outer query returned by					22.	(A) To achieve better throughput (B) To control the execution time in processor (C) To achieve isolation and (D) To control task allocation	5 2
	uter query						maintain consistency	
 13. Which is correct for the trigger? (A) It is an event driven one (B) It (C) In PL/SQL there are 10 events (D) Pl for trigger 	is executed manually L/SQL not support triggers	1	1 3	3 3	3	23.	Dirty read problem occurs at (A) Transaction failed while (B) Read transaction failed updating but read by another transaction before rollback (C) Read transaction and in a read in a read in a real transaction transaction before rollback	5 3
14. Which is not a exception in PL/SQL(A) No data found(B) To	oo many rows	1	1 3	3 4	4		(C) Read transaction reading wrong (D) Reading of multi value pointer attributes	
(C) Value error (D) Lo	ength string					24.	When dead lock occurs to solve it. 1 1 (A) System must roll back to one of (B) System must about the	5 4
	Optimization Evaluation	1	1 3	3 :	5		transaction and unlock the locked transaction items (C) System must raise exception (D) System need not respond	
 16. Relational algebra (A) Is a procedural language (B) Is (C) Is not supporting union operation (D) Is 	s extended version of SQL s not having rename option	1	1 4	4 :	1	25.	(A) Check points where the systems (B) Check point where transactions are in fuzzy state are blocked	5 5
17. The statement: σ salary > 1000 (instructor) is (Δ) Joining instructor whose salary is (B). So		1	1 4	4 :	2		(C) Check point where transactions (D) Check point where transaction are moved from block state to allows to update while buffer execution state blocks being written out	
(C) Inserting instructor whose salary (D) D	alary is greater than 1000 Deleting instructor whose alary is greater than 1000	*			ţ			