Enrol	lment N	No:	Exam Seat N H UNIVER							
Winter Examination-2022										
Subje	ct Nam	e : Database Systems with	1 ORACLE							
Subject Code: 4CS03IDS1			Branch: B.	Branch: B.Sc.I.T.						
Semes	ster: 3	Date: 23/11/2022	Time: 11:00	Time: 11:00 To 02:00						
(3)	Draw Assur	neat diagrams and figures me suitable data if needed.			14					
χ			9							
	1)	Which is DCL Command a) Select	? b)	Alter						
		c) Revoke	d)	create						
	2)	Which commands defines	s column (attributes) of a	table?						
		a) DDL	b)	DML						
		c) DCL	d)	None of the	ese					
	3)	Which command uses WI	HERE clause in its states	ment?						
		a) DDL	b)	DML						
		c) Both A and B	d)	None of the	ese					
	4)	Primary key attributes is/a								
		a) Unique	b)	Not null						
		c) Both A and B	d)	None of the	ese					
	5)	Which of following is/are	=							
		a) Primary key	b)	Check						
		c) Unique	d)	All of these						
	6)	Which operator tests column for absence of data?								
		a) Not	b)	is null						
		c) exists	d)	All of the al	bove					

Select length ('database') from dual; returns a) 8 7)

b) 9

7 c)

d) 10

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	8)		i is also known as inner join?	• \				
		a)	self	b)	equi			
		c)	non-equi	d)	None of these			
	9)	An inc	dex automatically created on					
		a)	Primary key	b)	Foreign key			
		c)	Composite key	d)	None of these			
	10)	Which	n join retrieve all rows of both ta	bles?				
		a)	cross	b)	inner			
		c)	outer	d)	self			
	11)	Advar	ntages of DDBMS are					
	ĺ	a)	Faster data access	b)	faster data processi	ng		
		c)	User friendly interface	ď)	All of these	C		
	12)	What	is OLAP?					
	,	a)	Online Analysis Protocol	b)	Online Analytical P	rocessing		
		c)	Online Active Protocol	d)	None of the above	8		
	13)	A rela	tion has no partial dependency i	s in which n	ormal form?			
	,	a)	Third	b)	First			
		c)	Second	d)	All of the above			
		,		,	The of the tooke			
	14)							
		a)	* /	b)	SUM()			
		c)	CONCAT()	d)	None			
Atten	<u>ıpt any</u>	FOUR	questions from following.					
Q2	Attempt following.							
	,			CT commar	nd with WHERE			
	and ORDER BY clause with example.							
	b) D	efine No	ormalization. Explain 1 <sup>st</sup> , 2 <sup>nd</sup> and	l 3 <sup>rd</sup> Normal	forms.	7		
Q3	Attempt following.							
	a) Discuss Dr. F. F. Codds Rule							
	,			join with e	xamples.	7		
0 -4	Attempt following							
Ų <b>-</b>		_	_	nin sequence	e with example.	7		
	b) Li	st speci	al operators used in SQL. Expla	-				
	op	perators	in a query.			7		
Q5	Attempt following.							
Q2 Q3 Q4	c) CONCAT() d) None  sempt any FOUR questions from following.  2 Attempt following.  a) What is DML Commands? Explain SELECT command with WHERE and ORDER BY clause with example. b) Define Normalization. Explain 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> Normal forms.  3 Attempt following.  a) Discuss Dr. E. F. Codds Rule. b) What is Join? Explain Equi and Non-Equi join with examples.  4 Attempt following. a) Define sequence. Why we create it? Explain sequence with example. b) List special operators used in SQL. Explain BETWEEN, ANY and ALL operators in a query.				None  nd with WHERE forms.  examples.	14 7 7 14 7		



	b) Define View. Explain View with syntax and example.	7			
Q6	Attempt following.				
	a) What is DDBMS? Explain advantages of DDBMS.	7			
	b) Define Decision support data. Explain Operation data Vs. Decision support Data	7			
Q7	Attempt following.	14			
	<ul><li>a) Write a note on: Business Intelligence Architecture.</li><li>b) Explain the need for the two phase commit protocol.</li></ul>	7 7			
Q8	Attempt following.				
	<ul> <li>a) Write a SELECT query using following table.</li> <li>STUDENT (ROLLNO, NAME)</li> <li>EXAM (ROLLNO, SEM, SUBJECT)</li> <li>1) Find student name who appeared exams in 2<sup>nd</sup> semesters.</li> <li>2) Count students name appeared in exam of 5<sup>th</sup> semester.</li> <li>3) Find students name who appeared in 'ORACLE' subject.</li> </ul>	2 2 3			
	<ul> <li>b) Attempt following.</li> <li>Consider table STUDENT (ROLLNO, NAME, COURSE, SEM, SUBJEC</li> <li>1) Write/Create view using student table with 'BSCIT' course with 4<sup>th</sup> semesters Student name.</li> <li>2) Write/create sequence that starts from 1 upto 100 and Incremented by 1. with cycle and no cache.</li> </ul>	<b>T</b> ) 3			

