JAH-903-1033003]

JAH-003-1033003 Seat No. ____

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B. C. A. (Sem. III) (CBCS) Examination

November - 2019

CS-15: RDBMS Using Oracle

Faculty Code: 003

Subject Code: 1033003

Tim	e:	$2\frac{1}{2}$	Hours] [Total Marks :	70
1	(a)	At	ttempt the following objective questions:	4
		(1)	Raw types are used to store which type of data	?
		(2)	A table cannot have one more than one Long data ty (True / False)	pe.
		(3)	removes all the rows from table, but structure and constraints and so on, remains.	its
		(4)	In SQL, which command is used to select only one confeach set of duplicate rows?	ору
	(b)	At	tempt any one:	2
		(1)	Write a note on E-R Diagram.	
		(2)	Differentiate: DBMS v/s RDBMS.	
	(c)	Att	tempt any one:	3
		(1)	Explain various components of SQL.	
		(2)	What are E-F Codd rules? Explain.	
	(d)	Att	tempt any one:	5
		(1)	List out various operators and explain any 2 operators with example.	
		(2)	Explain various data types available in SQL.	

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2	(a)	Attempt the following objective questions:		
		(1)	clause acts like a where clause but is	
			used for groups rather than rows.	
		(2)	The condition in a where clause can refer to only	
			one value. (True / False)	
٠		(3)	Drop table cannot be used to drop a table referenced	
			by a constraints.	
		(4)	The statement in SQL which allows changing the	
			definition of a table is	
	(b)	Atte	empt any one:	2
		(1)	Explain group by and having clause with suitable example.	
		(2)	Write a note on set operators.	
	(c)	Atte	empt any one:	3
		(1)	What is join? Explain its various types.	
		(2)	What are constraints? Explain any two constraints	
			with suitable example.	
	(d)	Atte	empt any one:	5
		(1)	Consider these following tables and only solve the	
			query.	
			Tables: (1) student: s_id (Primary key), sname, city	
			(2) result: r_id (Primary Key), mark1,	
			mark2, s_id (Foreign key)	
			Query:-	
			- Write a SQL statement to make a list with	
			r_id, s_id, student name and mark1 for those	
			whose marks between 70 and 90.	
			- Find out maximum mark2 from result table.	
		(2)	Table: Employee: Emp_no (primary key),	
			emp_name, city, mgr_no, job, sal, dept_no	
7 4 7	(T 000	1000	- Display department wise average salary.	_
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9	(a)	Titte	empt the following objective questions.	4
		(1)	2	
			via SQL commands. (True / False)	
		(2)	In a two database operations wait for	
			each other to release a lock.	
		(3)	Oracle uses a method called to	
			implement concurrency control.	
··· -		(4)	Indexes may be created or dropped at any time.	
			(True / False)	
	(b)	Atte	empt any one:	2
		(1)	Differentiate: pessimistic lock v/s optimistic lock.	
		(2)	Define the term: cluster, synonym.	
	(c)	Atte	empt any one:	3
		(1)	What is view? Explain in detail.	
		(2)	Write a note on indexes.	
	(d)	Atte	empt any one:	5
		(1)	Write a note on sequence.	
		(2)	What are locks? Explain its various types.	
4	(a)	Atte	empt the following objective questions:	4
		(1)	A is a database object which is used to	
		te.	manipulate data in a row-to-row manner.	
		(2)	If user defined error condition exists, the call to the	
			user defined exception is made using a	
		- The -	statement.	
	v	(3)	Which is a database object that allows us to	
			execute a batch of SQL code when a table event	
			occurs ?	
		(4)	data type is also known as user defined	
			data type.	
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		(1)	Differentiate: %type v/s %rowtype.	
		(2)	Define the term: varrays, nested table.	3
	(c)	Atte	empt any one:	3
		(1)	What is cursor? Explain its various types.	
		(2)	What is exception? Differentiate: predefined v/s user defined.	
	(d)	Attempt any one:		
		(1)	What is procedure? Explain with example.	
		(2)	Consider a student table having fields like seat_no, name, and mark. Develop a trigger on the table for insert or update any records and name should be display into the uppercase.	
5	(a)	Atte	empt the following objective questions:	4
		(1)	file holds the actual data.	
		(2)	A is used to logically group data	
			together.	
		(3)	LGWR stands for	
		(4)	is a principal scheduler object.	
	(b)	Atte	empt any one:	2
		(1)	Differentiate: Data files v/s Redo log files.	
		(2)	Define the term: oracle blocks, import.	
	(c)		empt any one:	3
		(1)	Write a note on initialization parameter.	
			What is memory structure? Explain in detail.	
	(d)		mpt any one:	5
	·		Write a note on scheduler.	
		(2)	What is instance architecture? Explain.	
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