

003-003310

B.C.A. (CBCS) Sem.-III Examination December-2014 CS-15 : RDBMS Using ORACLE (New)

Faculty Code : 003 Subject Code : 003310

Time : 2¹/₂ Hours]

[Total Marks : 70

Instructions : (1) There are 3 questions.

(2) All questions are compulsory.

1. Give answers of following MCQs :

- (1) Which of the following are Data Models ?
 - (a) The Hierarchical Model (b) The Network Model
 - (c) The Relational Model (d) All
- (2) In E-R diagram ______ is used to represent relationship between entities.
 - (a) Rectangle (b) Circle
 - (c) Diamond (d) Oval

(3) SQL means

(a) System Query Language (b) Structured Query Language

1

- (c) System Questioner Language (d) None
- (4) _____ is not a Database Management System.
 - (a) SQL (b) Oracle
 - (c) FoxPro (d) Both (a) and (c)
- (5) Which of the following is not an SQL command type?
 - (a) Transactional control commands
 - (b) Data Definition language
 - (c) Decision Control Language
 - (d) None
- (6) The category of Revoke command is
 - (a) DML (b) TCL
 - (c) DDL (d) DCL

003-003310

P.T.O.

20

					3				
	(7)	The	ORDER BY clause can or	ly be used	d in queries.				
		(a)	SELECT	(b)	INSERT				
		(c)	GROUP BY	(d)	All				
e	(8)	(8) is a join with a join condition containing an equality oper							
		(a)	Equijoins	(b)	Cartesian				
		(c)	Both	(d)	None				
	(9)	Whi	rimary key ?						
		(a)	Contains null values	(b)	Contain duplicate values				
		(c)	Both (a) and (b)	(d)	None				
·	(10)	5	contain a pointer	that keep	s track of current row being accessed,				
		whic	ch enables your program to	process t	he rows at a time.				
		(a)	Pointer	(b)	Tracker				
		(c)	Cursor	(d)	Trigger				
	(11)	(11) Which of the following are forms of SQL?							
		(a)	Interactive	(b)	Embedded				
		(c)	Both	(d)	None				
	(12)	(12) command is used for removing a table and all its dat							
		datal	base.						
		(a)	Create	(b)	Alter table				
		(c)	Drop table	(d)	None				
	(13)	3) Tables and indexes that are data of logical database structure that are							
			ically in the form of						
		• •	Data files		Control files				
		(c)	Online Redo log files	(d)	All				
	(14)	Data	dictionary kept in						
		(a)	Stack space	(b)	SYSTEM tablespace				
		(c)	Datafile	(d)	None				
	(15)	The	statement mak	tes perma	nent any changes made to the database				
		durir	ng the current transaction.						
		(a)	COMMIT	(b)	ROLLBACK				
		(c)	SAVEPOINT	(d)	Both (a) and (c)				
	(16)	16) Which type of index should be used on a fact table?							
		(a)	A binary index	(b)	A bitmap index				
		(c)	A metadata index	(d)	A database schema index				
003-003310				2					

....



I,

v									
01	03-003	310		3		P.T.O.			
		(5)							
		(4)	, D						
		(3)							
		(2)	The second of the state different tamos						
	(-)	(1)							
	(c)		10						
		(6)			k the stu_name must be start with 'S'.				
		(5)							
		(4)			2				
		(2)			n brief.				
		(1)	Describe SELECT st						
	(b) Attempt the fellowing (congregation) (1) Differentiate SQL v/s. PLSQL.								
	(b) Attempt the following : (any 3)								
		(5)	What is a shared poo	1?					
		(4) (5)	What is cluster ?						
		(3) (4)	What is an integrity of	constraint?					
		(2)	What is view ?						
		(1) (2)	c						
2.	(a)		Attempt the following : (any 3) (1) What is the difference between varchar and varchar 2 ?						
2	(a)	٨ 44 -	mot the following · (ar	1v 3)		6			
		(c)							
		(a)	Primary key Both (a) and (b)	(d)	None				
	(20)		cle creates an index for	(b)	Foreign key				
		• •	-		in the snapshot base table.				
		(a) (c)	Redo log buffer	(d)	All				
	(19)		components of SGA ar Shared pool	(b)	Database buffers				
	(10)			e					
		(c)	View	(d)	Sequence				
	(10)	(a)	Data	(b)	Trigger				
	(18) Which of the following object types below cannot be replicated ?								
		(c)	Data file	(d)	none				
,	(17)	(a)	Redo log	(b)	Archive log				
	(17)	The	records all ch	nanges made	to data.				

I,

- 3. (a) Attempt the following : (any 3)
 - (1) What is an Oracle Instance?
 - (2) What are Privileges and Grants?
 - (3) What is the difference between rename and alias?
 - (4) What is difference between SUBSTR and INSTR?
 - (5) List commands of DDL and DCL.
 - (6) What is Package?
 - (b) Attempt the following : (any 3)
 - (1) What is an index ? Describe Bitmap indexes and B-tree indexes.

6

9

10

- (2) List out set operators. Explain any one with an example.
- (3) Explain the following functions :
 - (a) **REPLACE**
 - (b) SUM
 - (c) FLOOR
- (4) List out oracle background processes. Explain any one.
- (5) Explain Redo log file.
- (6) Write a code for function to display the reverse string of a given string.
- (c) Attempt the following : (any 2)
 - (1) Explain Data types available in Oracle.
 - (2) Explain LIKE and BETWEEN with example.
 - (3) Explain PL/SQL block structure in detail.
 - (4) What is tablesspace ? Describes briefly.
 - (5) Consider the following table :

Employee (Eld, Ename, Designation, Salary, Deptno)

Write following queries for the above table :

- (a) Find out all details of employees whose name is start with "A".
- (b) List the name and salary of employees who salary is in the range of 3000-5000.
- (c) Find name of clerk from deptno 1.
- (d) Calculate total monthly salary for all employees.
- (e) Find designation whose salary is maximum.

003-003310

4