

B.C.A Semester - 3 (CBCS) Examination
December.-2020 [NEW COURSE]
RDBMS Using Oracle (10 G)(Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Answer followings: (Only Three) (03)
1. SQL stands for_____.
 2. BCNF stands for_____.
 3. RDBMS stands for_____.
- Q.1(B) Answer the following: (Any Two out of Four) (06)
1. Which symbols are used to draw the E-R Diagram? Explain types of relationship used in E-R Diagram.
 2. Define Normalization. State the rules of Normalization for first and second Normalization.
 3. Differentiate: SQL v/s SQL*plus.
 4. Define and Explain the Datatype of SQL.
- Q.1(C) Answer the following: (Any One out Of Two) (05)
1. Differentiate: DBMS v/s RDBMS.
 2. Write a Short note on SQL Plus Formatting command.
- Q.2(A) Answer followings: (Only Three) (03)
1. _____ Operator is used for pattern searching with select query.
 2. _____ Command is used to change the table structure.
 3. A query within query is called _____.
- Q.2(B) Answer the following: (Any Two out of Four) (06)
1. What is Transaction? Explain starting and ending transaction.
 2. Explain primary key constraint with its features.
 3. Explain check and unique constraints.
 4. Explain following function with syntax and example.
Replace(), Coalesce(), initcap().
- Q.2(C) Answer the following: (Any One out Of Two) (05)
1. What is Join? Explain types of Join in detail.
 2. Explain commit, rollback and savepoint in detail.
- Q.3(A) Answer followings: (Only Three) (03)
1. _____ allows you to connect from local database to remote database.
 2. What is Synonyms?
 3. What is snapshot?
- Q.3(B) Answer the following: (Any Two out of Four) (06)
1. What is Cluster? How cluster is useful in distributed database environment.
 2. What is sequence? Explain it.
 3. What is Deadlocks? Explain it.
 4. Differentiate: Manual Locking v/s User-Define Locking.
- Q.3(C) Answer the following: (Any One out Of Two) (05)
1. Explain types of locking available in Oracle.
 2. What is index? Explain types of index maintaining in oracle.

- Q.4(A) Answer followings: (Only Three) (03)
1. _____ Cursor is opened and managed by the oracle engine internally.
 2. Function must be return value. True/False.
 3. SQL%ISOPEN attribute is always return_____value.
- Q.4(B) Answer the following: (Any Two out of Four) (06)
1. Differentiate SQL v/s PL/SQL.
 2. Explain PL/SQL block structure.
 3. Explain %TYPE with example.
 4. Explain Explicit cursor with example.
- Q.4(C) Answer the following: (Any One out Of Two) (05)
1. Explain package with example.
 2. Explain trigger with example.
- Q.5(A) Answer followings: (Only Three) (03)
1. PGA stands for_____.
 2. LGWR stands for_____.
 3. SMON stands for_____.
- Q.5(B) Answer the following: (Any Two out of Four) (06)
1. What is Data file?
 2. What is Log file?
 3. Explain Import, Export utilities on oracle.
 4. Explain table space in detail.
- Q.5 (C) Answer the following: (Any One out Of Two) (05)
1. Write note on: Oracle Instance Architecture.
 2. Write note on Oracle scheduler.
