

B.C.A Semester - 3 (CBCS) Examination
December.-2020 [OLD COURSE]
CS-15 RDBMS USING ORACLE(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 following questions. (04)
1. What does SQL Stands for?
 2. What is maximum size of the varchar and uarchar2 datatype?
 3. What is Database?
 4. What is full form of RDBMS?
- Q.1(B) Answer any one (02)
1. Give the difference between DBMS & RDBMS.
 2. Explain basic datatypes in SQL.
- Q.1(C) Answer any one (03)
1. Differentiate SQL V/s SQL/PLUS.
 2. What is importance of E.R. diagram.
- Q.1(D) Answer any one (05)
1. Explain Dr. E.F. Codd's Rules for RDBMS
 2. Explain Normalization
- Q.2(A) Answer the following questions. (04)
1. Which operator is known as Range Searching operator?
 2. What is transaction?
 3. Which command is use to modified structure of table in SQL, After a table has been created?
 4. How many composite primary key in one table.
- Q.2(B) Answer any one (02)
1. Explain DISTINCT clause.
 2. Explain EXISTS/NOT EXISTS Operator.
- Q.2(C) Answer any one (03)
1. Explain default value concept.
 2. Explain unique key constraint.
- Q.2(D) Answer any one. (05)
1. Explain Join in detail.
 2. What is Sub query? Explain with types.
- Q.3(A) Answer the following questions. (04)
1. What is Sequence?
 2. What is Synonym?
 3. What is index?
 4. What is view?
- Q.3(B) Answer any one. (02)
1. Explain Latches.
 2. Explain Pessimistic Locking.
- Q.3(C) Answer any one. (03)
1. Explain Blocking.
 2. Explain Deadlocks.

- Q.3(D) Answer any one (05)
1. Explain Snapshot.
 2. Explain Database Links.
- Q.4(A) Answer the following questions. (04)
1. What is full form of PL/SQL?
 2. What is literal?
 3. How to Put a message in PL/SQL block.
 4. What is Nested Table?
- Q.4(B) Answer any one (02)
1. PL/SQL Block structure.
 2. How to create store procedure.
- Q.4(C) Answer any one. (03)
1. Explain datatype in PL/SQL.
 2. Implicit cursor V/s Explicit cursor.
- Q.4(D) Answer any one (05)
1. Define type of trigger. Explain it.
 2. How to define package? Explain in detail.
- Q.5(A) Answer the following questions. (04)
1. What is full form of PGA?
 2. Who is responsible for writing data from the log buffer to the redo log files?
 3. Which file holds information which are used for recovery in the event of system failure?
 4. Who is responsible for writing dirty data blocks from database block?
- Q.5(B) Answer any one (02)
1. Explain creating & Altering database.
 2. Explain SQL* Loader.
- Q.5 (C) Answer any one (03)
1. Explain import
 2. Explain oracle blocks.
- Q.5(D) Answer any one (05)
1. Explain Database Resource Manager.
 2. Explain Initialization Parameter.
