

B.C.A Semester - 3 (CBCS) Examination
July-2025 (OLD COURSE)
CS-15 RDBMS USING ORACLE(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) Attempt the following. (04)**
- 1) RDBMS stands for _____
 - 2) In ER diagram ER stands for _____
 - 3) SQL stands for _____
 - 4) BCNF stands for _____
- Que-1(B) Attempt the following. (Any one) (02)**
- 1) List out types of Relationship.
 - 2) List out Data types in SQL.
- Que-1(C) Attempt the following. (Any one) (03)**
- 1) Differentiate: DBMS v/s RDBMS
 - 2) Differentiate: SQL v/s SQL*PLUS
- Que-1(D) Attempt the following. (Any one) (05)**
- 1) Write Dr. E.F. Codd rules.
 - 2) Explain Normalization with example.
- Que-2(A) Attempt the following. (04)**
- 1) DML stands for _____
 - 2) DCL stands for _____
 - 3) A query within query is called _____
 - 4) _____ Function returns the smallest value from a list of arguments.
- Que-2(B) Attempt the following. (Any one) (02)**
- 1) Explain group clause.
 - 2) Explain Grant and Revoke.
- Que-2(C) Attempt the following. (Any one) (03)**
- 1) List out types of constraints. Explain Primary key constraint.
 - 2) Explain concat, replace and lower functions.
- Que-2(D) Attempt the following. (Any one) (05)**
- 1) What is join? Explain its type.
 - 2) What is transaction? Explain TCL commands in SQL.
- Que-3(A) Attempt the following. (04)**
- 1) Views in SQL are the virtual tables (True/False)
 - 2) _____ is a group of privileges.
 - 3) What is synonym?
 - 4) An auto number field generated by _____
- Que-3(B) Attempt the following. (Any one) (02)**
- 1) What is Cluster?
 - 2) Define: Snapshot
- Que-3(C) Attempt the following. (Any one) (03)**
- 1) Write a note on Sequence.
 - 2) Explain Deadlock.

- Que-3(D) Attempt the following. (Any one) (05)**
1) Explain Locking types in detail.
2) What is Index? Explain its type.
- Que-4(A) Attempt the following. (04)**
1) In PL/SQL, PL stands for_____
2) Function must be return value (True/false)
3) OLD: and NEW: used with _____
4) PL/SQL can use_____ type to declare variables based on definition of columns in a table.
- Que-4(B) Attempt the following. (Any one) (02)**
1) What is Cursor? Write its type.
2) Define: Procedure
- Que-4(C) Attempt the following. (Any one) (03)**
1) Explain PL/SQL block structure.
2) Explain %TYPE and %ROWTYPE
- Que-4(D) Attempt the following. (Any one) (05)**
1) Write a note on Package.
2) Explain Trigger with example.
- Que-5(A) Attempt the following. (04)**
1) PGA stands for_____
2) SMON stands for_____
3) CKPT stands for_____
4) LGWR stands for_____
- Que-5(B) Attempt the following. (Any one) (02)**
1) What is Data file?
2) Define: Redo log file
- Que-5(C) Attempt the following. (Any one) (03)**
1) Describe Import, Export utilities in Oracle.
2) How to create & alter database in Oracle?
- Que-5(D) Attempt the following. (Any one) (05)**
1) Explain Instance architecture of Oracle.
2) Write a note on Table space.
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