

B.Sc.(IT) Semester - 3 (CBCS) Examination
Oct/Nov - 2024 [As Per Syllabus Year June-2019]
RDBMS using Oracle (10 G)(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) Answer following Questions. (03)
- 1) In E. R. Diagram, full form of E. R. is _____.
 - 2) State any three name of RDBMS.
 - 3) _____ data type is used to store marks.
- Que-1 (B) Answer Any Two. (06)
- 1) State difference between SQL and SQL *Plus.
 - 2) What is relations?
 - 3) Explain E. R. Diagram.
 - 4) Explain SQL Expressions.
- Que-1 (C) Answer Any One. (05)
- 1) Write E. F. Codd Rules.
 - 2) Write short note on normalization.
- Que-2 (A) Answer following Questions. (03)
- 1) Write the command which will delete the table.
 - 2) _____ function is used for system date.
 - 3) _____ operator is used to combine the result-set of two or more SELECT statements.
- Que-2 (B) Answer Any Two. (06)
- 1) Explain how to create user. How to give and remove the permissions?
 - 2) Explain following functions with example and its use:
add_months(), initcap(), floor().
 - 3) Explain subquery.
 - 4) Explain update and delete.
- Que-2 (C) Answer Any One. (05)
- 1) Explain Select statements with all its options.
 - 2) Explain join.
- Que-3 (A) Answer following Questions. (03)
- 1) _____ is a virtual table based on the result set of SQL statement.
 - 2) A _____ is a schema object in one database that enables you to access objects on another database.
 - 3) _____ is the process by which a DBMS restricts access to a row in a multi-user environment
- Que-3 (B) Answer Any Two. (06)
- 1) Explain Database Links.
 - 2) what is sequence? Explain with example.
 - 3) Explain Levels of Lock.
 - 4) Explain View and their types.

- Que-3 (C) Answer Any One. (05)
- 1) Explain index and their types.
 - 2) Explain Cluster and snapshot.
- Que-4 (A) Answer following Questions. (03)
- 1) A composite data type stores values that have internal components.
 - 2) _____ attribute of cursor will return number of rows stored in cursor.
 - 3) A _____ is a type of collection in which each element is referenced by a positive integer called the *array index*.
- Que-4 (B) Answer Any Two. (06)
- 1) Differentiate SQL V/S PL-SQL.
 - 2) Explain block structure of PL-SQL.
 - 3) Explain %TYPE and %ROWType with example.
 - 4) Explain Tables and nested Tables,
- Que-4 (C) Answer Any One. (05)
- 1) Write short note on Triggers.
 - 2) What is cursor? Explain types of cursors with example.
- Que-5 (A) Answer following Questions. (03)
- 1) _____ command is used to close the database.
 - 2) Full form of RBS is _____.
 - 3) _____ is useful to simplify the scheduling of hundreds or even thousands of tasks.
- Que-5 (B) Answer Any Two. (06)
- 1) How to create and alter database?
 - 2) Explain import-export.
 - 3) Explain control file and Redo log file.
 - 4) Explain Rollback segment.
- Que-5 (C) Answer Any One. (05)
- 1) Write short note on Tablespace.
 - 2) Explain SQL *Loader.
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