

B.Sc.(IT) Semester - 3 (CBCS) Examination
Nov/Dec. -2021 (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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| Q.1(A) | Attempt the followings. | (04) |
| | <ol style="list-style-type: none">1. DBMS stands for_____2. In E-R diagram E-R means_____3. Write full form of SQL4. Which symbol is used to represent relationship in E-R diagram? | |
| Q.1(B) | Attempt the following. (Any one) | (02) |
| | <ol style="list-style-type: none">1. What is RDBMS?2. List out various operators available in Oracle. | |
| Q.1(C) | Attempt the following. (Any one) | (03) |
| | <ol style="list-style-type: none">1. Differentiate DBMS v/s RDBMS2. Explain data types in SQL. | |
| Q.1(D) | Attempt the following. (Any one) | (05) |
| | <ol style="list-style-type: none">1. Write Dr. E.F. Codd rules.2. Explain Normalization. | |
| Q.2(A) | Attempt the followings. | (04) |
| | <ol style="list-style-type: none">1. DCL stands for_____2. Which command used ORDERBY Clause?3. A query within query is called_____4. Which command is used to change table structure? | |
| Q.2(B) | Attempt the following. (Any one) | (02) |
| | <ol style="list-style-type: none">1. List out DDL and DML commands.2. Define transaction. | |
| Q.2(C) | Attempt the following. (Any one) | (03) |
| | <ol style="list-style-type: none">1. Explain aggregate functions.2. Describe LIKE operator | |
| Q.2(D) | Attempt the following. (Any one) | (05) |
| | <ol style="list-style-type: none">1. Explain Join in detail.2. Explain any five character functions. | |
| Q.3(A) | Attempt the followings. | (04) |
| | <ol style="list-style-type: none">1. Views in SQL are the virtual tables (True/False)2. A_____ groups several privileges and roles.3. Define Synonym.4. Which type of index should be used by default? | |
| Q.3(B) | Attempt the following. (Any one) | (02) |
| | <ol style="list-style-type: none">1. What is sequence?2. Define deadlock. | |
| Q.3(C) | Attempt the following. (Any one) | (03) |
| | <ol style="list-style-type: none">1. What is cluster?2. Explain blocking. | |

- Q.3(D) Attempt the following. (Any one) (05)
1. Explain index and its types.
 2. Explain locking types in brief.
- Q.4(A) Attempt the followings. (04)
1. PL/SQL stands for_____
 2. OLD: and NEW: used with_____
 3. Function must be return value (True/False)
 4. Multiline comment start with_____
- Q.4(B) Attempt the following. (Any one) (02)
1. Differentiate SQL v/s PL/SQL
 2. Describe %TYPE and %ROWTYPE
- Q.4(C) Attempt the following. (Any one) (03)
1. Explain PL/SQL Block structure.
 2. Describe Procedure with example.
- Q.4(D) Attempt the following. (Any one) (05)
1. Explain exception handling in detail.
 2. Write a note on Packages.
- Q.5(A) Attempt the followings. (04)
1. PGA stands for_____
 2. PMON stands for_____
 3. CKPT stands for_____
 4. DBWR stands for_____
- Q.5(B) Attempt the following. (Any one) (02)
1. What is table space?
 2. What is Data file?
- Q.5 (C) Attempt the following. (Any one) (03)
1. What is Oracle block?
 2. Explain SQL*Loader.
- Q.5(D) Attempt the following. (Any one) (05)
1. Write a note on Oracle Scheduler.
 2. Explain instance architecture.
