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No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY
B.Sc. EXAMINATION, SEM – III
INFORMATION TECHNOLOGY

US03CINT22: Relational Database Management System - I

Date : 27/11/2019
wednesday

Time: 02:00pm To 05:00pm

Max. Marks : 70

Q – 1 Multiple Choice Question

[10]

1. Which of the following is not three-schema architecture for a database?
A. Hierarchical B. Physical C. Network D. Relational.
2. How many conceptual schemes are available per database?
A. One B. Two C. Three D. Four
3. Which of the following scheme continues the definition of the store record?
A. Conceptual B. Physical C. Internal D. Relational
4. _____ Query is not an auto committed query.
A. Insert B. Create (c) Alter (d) Drop
5. _____ Statement is use to delete a table structure.
A. Connect B. update C. delete D. drop
6. _____ SQL PLUS command is use to execute a command file.
A. Connect B. Save C. start D. spool
7. _____ is a small oracle worktable, which consists of only one row and one column, and contains the value x in that column.
A. NULL B. EMP C. DUAL D. DESC
8. When a column is defined as not null, that column becomes a _____ column.
A. Primary key B. Unique C. Mandatory D. Not Compulsory
9. The _____ clause imposes a condition of the group by clause.
A. group by B. Having C. sub query D. where
10. _____ Privilege allows the grantee to query the table.
A. Insert B. select C. Update D. Delete

Q – 2

[20]

1. What is tuple?
2. What is domain?
3. What is relationship?
4. Explain order by clause in brief.
5. Explain the term "set pagesize".
6. Explain the term "set linesize".
7. What is column level Constraints?
8. Explain concept of DUAL table.
9. Explain use of BETWEEN operator in concern with Rang searching.
10. List the different types of joins.
11. Write the syntax of grant statement.
12. How to create the save point?

(P.T.O)

- Q - 3 Explain codd rules in detail. [10]
- OR
- Q - 3 Briefly explain data models. [10]
- Q - 4 a) List various basic data types used in oracle. Explain in detail. [5]
- b) Explain various ways to insert records in a table. [5]
- OR
- Q - 4 a) Explain create statement with its syntax and example. [5]
- b) Explain update statement with its syntax and example. [5]
- Q - 5 a) Write a note on UNIQUE key concept with example. [5]
- b) Explain the concept of Primary Key with example. [5]
- OR
- Q - 5 a) Explain the concept of CHECK constraint with example. [5]
- b) Explain the concept of Foreign Key with example. [5]
- Q - 6 a) What is an updatable view? Explain it. [5]
- b) What is transaction processing? Explain the commit, rollback. [5]
- OR
- Q - 6 a) What is index? Explain creation of simple & composes index. [5]
- b) Explain group by & having with example. [5]

— X —
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