

SEAT No. _____

No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY

MCA (SEMESTER - 1)

PS01CMCA23 (Database Management Systems – I) (NC)

Saturday 13th April 2019

Time: 10.00 am – 1.00 pm

Marks: 70

Q-1 Give answers of following Multiple choice questions.

[8]

- (1) Relationship between an employee and passport is _____.
A One-to-one
B One-to-many
C Many-to-many
D None of these
- (2) _____ Constantly querying and updating database.
A Casual end users
B Parametric end users
C Sophisticated end users
D Standalone users
- (3) Which of the following is a multi-valued attribute?
A Hobby
B BirthDate
C Age
D None of these
- (4) Real world object that can be easily identified is known as _____.
A Entity
B Attribute
C Information
D Datatype
- (5) _____ statement is used to modify datatype of a particular field of a table.
A Alter
B Update
C Modify
D Change
- (6) _____ system table having only one column and one row.
A Constratins_user
B Data_constratins
C Dual
D User_source
- (7) The _____ clause is used to display the data in ascending or descending order.
A Where
B Having
C OrderBy
D None of these
- (8) To save the data permanently in database _____ command is use.
A Rollback
B Checkpoint
C Savepoint
D Commit

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(P.T.O.)

Page 1 of 2

3.(

Q-2

Do as directed. (ATTEMPT ANY SEVEN)

1. Major difference between Number and Char data type.
2. What do you mean by system table?
3. Differentiate simple and composite attributes with an example.
4. Full form of DBA.
5. Write syntax of INSERT statement.
6. Explain any two inbuilt numeric function in oracle.
7. Briefly explain any two E-R diagram symbols.
8. Explain any two string functions with an example.
9. List DDL statements.

4.(

Q-3

A Explain any two data models.

[6]

B List users associated with database systems and their roles.

[6]

OR

5.(

B Explain data independence and data sharing in detail.

[6]

Q-4

A In context of ER Diagram, List types of attributes and explain with an example.

[6]

B Describe Dr. Edgar F. Codd's Rules in brief.

[6]

OR

6.

B Draw an ER diagram & show cardinality for following information.

[6]

In a university, a Student enrolls in Course. A student must be assigned to only one course. Each course have multiple subjects. Each subject is taught by a single Professor. A Professor can taught multiple subjects.

Q-5

- A
1. Give list of DML statements.
 2. Differentiate between drop and delete command
 3. Full form of SQL.
 4. What is the importance of NOT NULL constraints?
 5. Define : Primary Key
 6. List basic datatypes in oracle.

[6]

B Discuss any three constraints with an suitable example.

[6]

OR

B Explain syntax of CREATE table.

[6]

Q-6

A Write a short note on Arithmetic operators & logical operators.

[6]

B List types of joins. Explain any two with an example.

[6]

OR

B Explain MAX, COUNT, LENGTH, SUM, AVG & LOWER functions with an example.

[6]

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(2)