

SEAT No. _____

[45]

Sardar Patel University
F.Y.B.C.A (2nd Semester - Regular) - CBCS Examination 2019
US02CBCA25 || Database Management System-I

Date: 27-03-2019. ~~Wednesday~~
Time: 10.00 am to 1.00 pm

Total Marks: 70

Q.1 Answer the following questions. [10]

- 1 _____ is an organized collection of related information.
(a) DBMS (b) DATABASE (c) Information (d) None of these
- 2 Relation can be represented as _____.
(a) Record (b) Data (c) Row (d) Table
- 3 _____ Clause is use with select statement to display unique records of a column specified.
(a) Order by (b) display (c) between (d) Distinct
- 4 Maximum number of characters allowed in varchar data type is _____.
(a) 250 (b) 255 (c) 4000 (d) 4500
- 5 _____ SQL statement is use to delete column of table specified.
(a) drop (b) update (c) alter (d) delete
- 6 For character data-types the _____ sign matches any string.
(a) _ (b) & (c) % (d) \$
- 7 The _____ function returns an integer value corresponding to the UserID of the user currently logged in.
(a) ROWID (b) USER (c) UID (d) ROWNUM
- 8 A Sub query is also termed as _____ query.
(a) Nested (b) view (c) index (d) joins.
- 9 _____ makes and saves the current points the processing of transaction.
(a) Commit (b) save point (c) roll back (d) view
- 10 The _____ clause imposes a condition of the group by clause.
(a) group by (b) Having (c) sub query (d) where

Q.2 Explain following in brief. (Attempt any Ten) [20]

- 1 What is DBMS? Give Example of DBMS.
- 2 Draw the structure of DBMS.
- 3 Define: Tuple, Attributes and Domain
- 4 Explain order by clause in brief.
- 5 What is SQL? Write advantages and disadvantages of SQL.
- 6 Explain set pagesize command in brief.
- 7 Explain pattern matching operator in brief.
- 8 Explain concept of DUAL table.
- 9 Explain NVL() function in brief.
- 10 Explain group by clause in brief.
- 11 Explain commit statement with syntax and example.
- 12 What is a privilege? List the object privileges.

(P.T.O)

- Q.3 A. What is a Data model? Explain Network and Relational Model in detail. [07]
B. What is relation? Explain relation with relationship types in detail. [03]

OR

- Q.3 A. Draw and Explain the three-schema architecture for a Database Management System. [07]
B. Explain Hierarchical model in brief. [03]

- Q.4 A. How to filtering a data in oracle? Explain with syntax and suitable example. [06]
B. Explain different ways to insert records in a table with syntax and example. [04]

OR

- Q.4 A. List and explain all data types available in oracle and explain. [06]
B. How to change the structure of table? Explain with syntax and suitable example. [04]

- Q.5 A. What is a scalar function? Explain any five scalar functions with use, syntax and example. [10]

OR

- Q.5 B. What is an aggregate function? List and explain all aggregate function with use, syntax and example. [10]

- Q.6 A. List different types of join. Explain with syntax with example. [05]
B. Explain sequence with the example. [05]

OR

- Q.6 A. What is subquery? Explain in brief. [03]
B. What is View? Explain with syntax and example. [07]

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