

(112)

Sardar Patel University
S.Y.B.C.A. (3rd Semester) Examination, Nov- 2013
US03CBCA01 || Relational Database Management System-I

Date: 15-11-2013

Time: 02.30 pm to 5.30 pm

Total Marks: 70

Q.1 Answer the following questions.**[10]**

- 1 How many conceptual schemes are available per database?
 (a) one (b) Two (c) Three (d) Four
- 2 Entity does not depend on some other entity types then its call _____.
 (a) Weak (b) Strong (c) Hard (d) Soft
- 3 _____ SQL PLUS command is use to execute a command file.
 (a) Connect (b) Save (c) Start (d) Spool
- 4 Maximum number of characters allowed in char data type is _____.
 (a) 250 (b) 4500 (c) 4000 (d) 255
- 5 _____ is a small oracle worktable, which consists of only one row and one column, and contains the value x in that column.
 (a) DUAL (b) EMP (c) NULL (d) DESC
- 6 _____ Command is use to change a structure of table.
 (a) Update (b) Alter (c) Change (d) Modify
- 7 _____ makes and saves the current points the processing of transaction.
 (a) Roll back (b) Commit (c) Save point (d) View
- 8 The _____ clause imposes a condition of the group by clause.
 (a) Group by (b) Where (c) Sub query (d) Having
- 9 The _____ command is use to convert null value to actual value.
 (a) Coalesce (b) Decode (c) Null (d) to_char
- 10 Derived attributes are shown in _____ symbol.
 (a) Underline (b) Dotted (c) Line (d) Arrow.

Q.2 Explain following in brief. (Attempt any 10)**[20]**

- 1 Define Tuple and attributes.
- 2 Which symbols used for E-R diagram? Explain in brief.
- 3 Explain strong entity and weak entity in brief with example.
- 4 Explain **set** linesize SQL PLUS command.
- 5 Explain distinct clause with example.
- 6 What is SQL? Explain advantages and disadvantages of SQL.
- 7 List the restriction available on Check constraint.
- 8 Explain pattern searching operator in brief.
- 9 Explain NVL function with example.
- 10 What is Save point? How to Create it?
- 11 What is index? List types of index.
- 12 What is join? List types of Joins.

- Q.3 A.** What is a Data model? Explain Hierarchical and Relational Model in detail. [07]
- B.** Draw E-R diagram for Library Management System. [03]

OR

- Q.3 A.** List all Dr. E.F. Codd Rules and explain any four of them. [07]
- B.** What is relation? Explain relation with relationship types in detail [03]

- Q.4 A.** How to filtering a data in oracle? Explain with syntax and suitable example. [06]
- B.** How to change the content of table? Explain with syntax and suitable example. [04]

OR

- Q.4 A.** List all data types available in oracle and explain any three of them, [06]
- B.** Explain various ways to insert records in a table with syntax and example. [04]

OR

- Q.5 A.** What is an aggregate and scalar function? Explain following function with its use, syntax and example. [10]
- (i) avg() (ii) months_between() (iii) decode() (iv) initcap()

OR

- Q.5 A.** What is Constraints? Explain foreign key and check constraint in detail. Also explain how to add not null and unique constraint with syntax and example. [10]

- Q.6 A.** List all sql plus report commands and explain any four of them with syntax and example. [06]
- B.** Explain group byhaving clause with proper syntax and example. [04]

OR

- Q.6 A.** What is use of sequence? Explain creation of sequence with syntax and suitable example. [06]
- B.** Explain granting and revoking privileges with syntax and example. [04]

Best of Luck