



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Computer Application (Semester-3) External Examination – 2025
US03MABCA02: Database Management Systems-I

Date: 07-10-2025, (Tuesday)

Time: 02:00 PM to 04:30 PM (2.5 hrs)

Total marks: 50

Q-1 Write the most appropriate answer from the following multiple-choice questions. [10]

- (1) The process of normalization
 - (a) is automatic using a computer program
 - (b) requires one to understand dependency between attributes
 - (c) is manual and requires semantic information
 - (d) is finding the key of a relation
- (2) Which of the following are consequences of poor database design?
 - (a) Poor design/planning
 - (b) Lack of documentation
 - (c) One table to hold all domain values
 - (d) All of them
- (3) Maximum number of characters allowed in varchar2 data type is.
 - (a) 250
 - (b) 255
 - (c) 4000
 - (d) 4500
- (4) _____ Clause is use with select statement to display unique records of a column specified.
 - (a) Order by
 - (b) display
 - (c) between
 - (d) Distinct
- (5) _____ is a handy value-substitution mechanism that returns plain english equivalents for a coded fields.
 - (a) NVL
 - (b) DECODE
 - (c) COALESCE
 - (d) CONCATE
- (6) _____ 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



- (7) The data held across the primary key column must be _____.
 (a) Unique (b) Repetitive
 (c) NULL (d) Simple
- (8) The _____ statement provides various types of access to database object.
 (a) Select (b) Privileges
 (c) Revoke (d) grant
- (9) To reduce redundant data to the minimum possible and object is create called a _____.
 (a) Synonym (b) Views
 (c) Sequences (d) Indexes
- (10) The _____ clause is another section of the selection of the select statement.
 (a) Group by (b) Having
 (c) Sub query (d) Where

Q-2 Explain any five code's rules.

OR

Q-2 Draw and explain three level architecture.

Q-3 Explain various ways to change structure of a table using alter statement.

OR

Q-3 What is DML? List and explain any three commands with appropriate syntax and example. [10]

Q-4 What is data constraints? Explain Unique and check constraints with syntax and example. [10]

OR

Q-4 List all Scalar functions available in oracle and explain any Three of them with appropriate syntax and example. [10]

Q-5 What is subquery? Explain subquery with its types. [10]

OR

Q-5 What is use of sequences? Explain creating, dropping and referencing with example. [10]

