

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Database Systems with ORACLE

Subject Code : 4CS03IDS1

Branch: B.Sc.I.T.

Semester : 3

Date : 15/10/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions: (14)

- a) What is information?
- b) What is Data?
- c) What is RDBMS?
- d) What is Normalization?
- e) What is SQL?
- f) Write command to Create Table.
- g) Define Operator: BETWEEN
- h) What is a Not Null constraint?
- i) Define Functions: initcap
- j) What is SET Operators?
- k) What is Business Intelligence?
- l) What is Data Warehouse?
- m) What is the full form of OLAP?
- n) What is DDBMS?

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

- a) List and explain any seven Dr. E. F. Codd rules (07)
- b) Explain any five difference between DBMS and RDBMS (07)

Q-3 Attempt all questions (14)

- a) Explain DDL statement in detail (07)



- b) List and explain various data types available in SQL (07)
- Q-4 Attempt all questions (14)**
- a) Explain Primary Key with example (05)
- b) Explain Check Constraints with example (05)
- c) Describe DISTINCT clause with an example (04)
- Q-5 Attempt all questions (14)**
- a) Explain Foreign Key with example (05)
- b) List and explain types of sub queries with example (05)
- c) Describe ORDER BY clause with an example (04)
- Q-6 Attempt all questions (14)**
- a) List and explain types of SET operator with example (05)
- b) Explain INNER Joins with example (05)
- c) What is Sequence? Explain with example (04)
- Q-7 Attempt all questions (14)**
- a) Describe the BI Framework. (07)
- b) What is data warehouse? What are its main characteristics? (07)
- Q-8 Attempt all questions (14)**
- a) What are advantages and disadvantages of Distributed DBMS (07)
- b) List and explain the transparency features of a DDBMS. (07)

