

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Database Systems with ORACLE

Subject Code: 4CS03IDS1

Branch: B.Sc.I.T.

Semester :3

Date: 29/02/2020

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 Normalization?
- b) What is Records?
- c) What is Database?
- d) Define: DBMS
- e) Which constraint is used at column level only?
- f) Define Operator: Like
- g) Write command to Drop Table.
- h) Define Functions: concat
- i) Define Functions: substr
- j) What is Business Intelligence?
- k) What is ETL?
- l) What is Data Mining?
- m) What is DDBMS?
- n) List out the advantages of DDBMS

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

Q-2 Attempt all questions

(14)

- a) Explain DDL Statement in details (07)
- b) List and explain any seven Dr. E. F. Codd rules (07)

Q-3 Attempt all questions

(14)

- a) Explain Primary key with example (05)
- b) Explain Foreign key with example



- c) Explain ORDER BY clause with example (05)
(04)
- Q-4 Attempt all questions (14)**
- a) What is Business Intelligence (BI)? Describe the BI Framework (07)
b) List and explain the transparency features of a DDBMS (07)
- Q-5 Attempt all questions (14)**
- a) What is View? Explain with example (05)
b) What is Sequence? Explain with example (05)
c) Explain Inner Join with example (04)
- Q-6 Attempt all questions (14)**
- a) List and explain types of SET operator with example (05)
b) Explain group by and having clause with an example (05)
c) Explain UPDATE SQL statement with example (04)
- Q-7 Attempt all questions (14)**
- a) Differentiate: DBMS and RDBMS (07)
b) Differentiate: SQL and SQL *Plus (07)
- Q-8 Attempt all questions (14)**
- a) List and explain various Data Types available in SQL (07)
b) What is Data Warehouse, and what are its main characteristics? (07)

