C. U. SHAH UNIVERSITY
Summer Examination-2018

Subject Name: Advanced Database Management

Subject Code: 5CS02WDB1   **Branch:** M.Sc.IT (WebTech)

Semester: 2   **Date:** 04/05/2018   **Time:** 10:30 To 01:30   **Marks:** 70

Instructions:
   (1) Use of Programmable calculator and 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.

SECTION – I

Q-1 Define the following: (07)
   a) DBMS
   b) Normalization
   c) Self-Join
   d) RAW data type
   e) DML
   f) SET operators
   g) Attributes of Cursor

Q-2 Attempt all questions   (14)
   a) Differentiate between DBMS and RDBMS   (05)
   b) Explain Primary key constraint and Check constraint with suitable example   (05)
   c) Explain Like and Between operator with example   (04)
OR
Q-2 Attempt all questions   (14)
   a) Differentiate between SQL and SQL*Plus   (07)
   b) Explain Data types available in Oracle   (07)

Q-3 Attempt all questions   (14)
   a) Explain update SQL statement with suitable example   (05)
   b) Explain DDL statements in detail   (05)
   c) Describe distinct clause and order by clause with an example   (04)

OR
Q-3 Attempt all questions   (14)
   a) What is Join? List available Joins and explain any two Joins with example   (07)
   b) Explain the following functions with example   (07)
      I) To_char   II) Initcap   III) Months_Between IV) Count(*)
      V) Length   VI) Trim   VII) abs

SECTION – II

Q-4 Attempt the Following questions (07)
  a) What is Synonym?
  b) What is Procedure?
  c) What is Redo log Files?
  d) What is PL/SQL?
  e) How do we represent comments in PL/SQL?
  f) What are the two types of exceptions?
  g) What is Hot Backup?

Q-5 Attempt all questions (14)
  a) What is Sub-Queries? Explain types of Sub-Queries (05)
  b) What is transaction? Explain data control language commands (05)
  c) Write note on Grant and Revoke (04)

OR

Q-5 Attempt all questions (14)
  a) Explain PL/SQL block structure with example (05)
  b) Explain implicit cursor with an example (05)
  c) Discuss View with suitable example (04)

Q-6 Attempt all questions (14)
  a) Explain Package with example (05)
  b) Explain Trigger with example (05)
  c) Discuss %TYPE and %ROWTYPE with an example (04)

OR

Q-6 Attempt all questions (14)
  a) Discuss DBWR in detail (05)
  b) Explain Import and Export features of oracle in detail (05)
  c) What is Net 8? Explain its features. (04)