C.U.SHAH UNIVERSITY
Summer Examination-2017

Subject Name: Advance Database Management System

Subject Code: 4TE06ADM1   **Branch: B.Tech (IT)**

Semester : 6   **Date : 19/04/2017**   **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.

Q-1   **Attempt the following questions:**   **(14)**
 a) Define Truncate command.
 b) Explain Union all operator.
 c) Define Replace ().
 d) What is Dual Table?
 e) Define Delete command with example.
 f) What is Procedure?
 g) Define Greatest () Function.
 h) Explain Check constraints.
 i) Define Rpad().
 j) Explain Order by clauses.
 k) Explain to_char() function.
 l) Explain Between operator.
 m) Define Sign () Function.
 n) Define Ltrim().

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

Q-2   **Attempt all questions**   **(14)**
 (a) Differentiate DBMS & RDBMS.   **(7)**
 (b) Explain various stages of Query Processing in detail.   **(7)**

Q-3   **Attempt all questions**   **(14)**
 (a) Explain Integrity and Security in terms of Database Design Issue. **(7)**
 (b) Explain Block structure of PL-SQL.   **(7)**

Q-4		**Attempt all questions**	**(14)**
	(a)	What is Query Optimization? Explain different types of Optimization.	**(7)**
	(b)	What is Cursor? Explain different types of attributes of Implicit Cursor.	**(7)**

Q-5		**Attempt all questions**	**(14)**
	(a)	Explain Database Tuning Issue with its types.	**(7)**
	(b)	Create PL/SQL block to display name of students whose roll number is less than entered user number.	**(7)**

Q-6		**Attempt all questions**	**(14)**
	(a)	Differentiate SQL & PL-SQL.	**(7)**
	(b)	Create PL/SQL procedure to perform arithmetic operation using IN parameter.	**(7)**

Q-7		**Attempt all questions**	**(14)**
	(a)	Explain Web Database.	**(7)**
	(b)	What is Trigger? Explain different types of Trigger. Explain any one type with suitable example.	**(7)**

Q-8		**Attempt all questions**	**(14)**
	(a)	Explain Mobile Database.	**(7)**
	(b)	What is Exception? Explain Attribute of Pre-Defined Exception.	**(7)**