

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Advanced Database Management System

Subject Code: 4CS06IDB1

Branch: B.Sc.I.T.

Semester: 6

Date: 13/04/2017

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.
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Q-1 Attempt the following questions:

(14)

(1) The 'Relational Model' of database was introduced by:

- | | |
|---------------------|-------------------|
| A) Dr. K. J. Morgan | B) Dr. E. F. Codd |
| C) Dr. K. V. Roger | D) None of above |

(2) The Query is processed by:

- | | |
|------------|-----------------|
| A) Client | B) Server |
| C) Network | D) All of above |

(3) In Oracle, the DATE data type can store:

- | | |
|-----------|-----------------|
| A) Month | B) Hour |
| C) Minute | D) All of above |

(4) The aggregate function is:

- | | |
|--------|-----------------|
| A) Min | B) Count |
| C) Sum | D) All of above |

(5) Which is the DML Statements?

- | | |
|-----------------|--------------------|
| A) Create User | B) Update |
| C) Create Table | D) Create Database |

(6) The constraint that can only be defined at column level only is:

- | | |
|-----------|-----------------|
| A) UNIQUE | B) NOT NULL |
| C) CHECK | D) All of above |

(7) Two copies of same table are created in memory if the join is:

- | | |
|---------------|--------------------|
| A) Cross Join | B) Left Outer Join |
| C) Self Join | D) Full Outer Join |

(8) You can add a row using SQL in a database with which of the following?

- | | |
|-----------|-----------|
| A) ADD | B) CREATE |
| C) INSERT | D) MAKE |

(9) Which one is not the TCL Statement?



- A) SAVE
- B) COMMIT
- C) SAVEPOINT
- D) ROLLBACK

(10) In PL/SQL block, Multi Line Comment can be inserted using:

- A) /* Comment */
- B) --
- C) Both of above
- D) None of above

(11) To know the status of Cursor, we may use:

- A) Query
- B) Cursor Attributes
- C) Another Cursor Block
- D) None of above

(12) The parameters of Procedure / Function may be of type:

- A) IN type
- B) OUT type
- C) IN OUT type
- D) All of above

(13) The value of :NEW is NULL in case of:

- A) Update
- B) Delete
- C) Insert
- D) Cannot Say

(14) Which of the following is not explicit cursor attributes?

- A) %FOUND
- B) %NOTFOUND
- C) Both of above
- D) None of above

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

Q-2 Attempt all questions (14)

- a) Differentiate between DBMS and RDBMS (5)
- b) Write a note on different data types available in oracle (5)
- c) Differentiate: SQL V/S SQL*Plus (4)

Q-3 Attempt all questions (14)

- a) What is Join? Explain various types of join with example (5)
- b) Explain Unique key constraint and Check constraint with suitable example (5)
- c) Explain Like and Exists operator with example (4)

Q-4 Attempt all questions (14)

- a) Explain DDL statement in detail (5)
- b) List and explain various transaction control language commands in oracle. (5)
- c) Explain the following functions with example (4)
I) INSTR() II) LAST-DAY() III) ROUND IV) POWER

Q-5 Attempt all questions (14)

- a) Discuss View with suitable example (5)
- b) What is Lock? Explain various Lock types available in oracle (5)
- c) Write a short note on Index (4)

Q-6 Attempt all questions (14)

- a) Explain PL/SQL Block Structure with example (5)



- b) Create a procedure that change name in small letters by passing employee ID to procedure. Raise appropriate exception when employee is not exist. (5)
- c) Write a brief note on cursor. (4)

Q-7 Attempt all questions (14)

- a) Explain package with suitable example (5)
- b) Explain trigger with suitable example (5)
- c) What is Backup? List and explain different types of backup. (4)

Q-8 Attempt all questions (14)

- a) Explain Oracle Instance Architecture (5)
- b) What is NET 8? Explain its features. (5)
- c) Create following table with constraint: (4)

Table Name: Salesman

Columnname	Constraints details
Sno	(PK), must start from 101
Sname	Not null, must be in upper case
City	Accept only 'surendranagar', 'wadhwan'

