

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2018

Subject Name : Database Management System (DBMS)

Subject Code : 5CS03MDB1

Branch:MCA

Semester : 3

Date : 29/11/2018

Time : 02:30 To 05:30

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.
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### SECTION – I

**Q-1 Attempt the Following questions (07)**

- |    |                                    |   |
|----|------------------------------------|---|
| a. | Define term : Data                 | 1 |
| b. | Define term : Database             | 1 |
| c. | Write down the full form of RDBMS. | 1 |
| d. | What is Schema?                    | 1 |
| e. | What is Constraint?                | 1 |
| f. | Enlist DDL Commands.               | 1 |
| g. | Enlist DML Commands.               | 1 |

**Q-2 Attempt all questions (14)**

- |     |   |   |
|-----|---|---|
| (A) | What is DBMS? Explain the Functions of DBMS in brief. | 7 |
| (B) | Explain the various advantages of DBMS in brief.      | 7 |

**OR**

**Q-2 Attempt all questions (14)**

- |     |  |      |
|-----|--|------|
| (A) | What is E-R Diagram? Explain the E-R Diagram with suitable example. Explain the Application of E-R Diagram in brief. | (10) |
| (B) | Explain the generalization, aggregation in oracle.   | (04) |

**Q-3 Attempt all questions (14)**

- |     |  |   |
|-----|--|---|
| (A) | Explain DDL commands with Syntax and Example in SQL(Oracle). | 7 |
| (B) | Explain DML commands with Syntax and Example in SQL(Oracle). | 7 |

**OR**

**Q-3 (A) What is join? Enlist the types of join. Explain inner join and outer join with syntax and example 10**

**(B) Explain rollback and Commit command in SQL(Oracle) with syntax and Example 04**



## SECTION – II

- Q-4**      **Attempt the Following questions**      **(07)**
- a. Enlist the name of DCL commands in SQL(Oracle)      **1**
  - b. What is sub query?      **1**
  - c. Define term : Database state      **1**
  - d. What is view?      **1**
  - e. What is the Full Form TCL?      **1**
  - f. What is the Full Form DCL?      **1**
  - g. What is the Full Form ORDBMS?      **1**
- Q-5**      **Attempt all questions**      **(14)**
- (A) Write a brief note on Database client sever Architecture.      **(10)**
  - (B) Explain union, intersection with syntax and example.      **(04)**
- OR**
- Q-5**      (A) **Write a brief note on :** Functional Dependencies      **(10)**
- (B) **Write down the following terms :** Tuples, Domain, Sequences, Synonyms      **(04)**
- Q-6**      **Attempt all questions**      **(14)**
- (A) Write a brief note on Database user and Administrators      **(8)**
  - (B) What is Query Processing? Explain in brief      **(6)**
- OR**
- Q-6**      **Attempt all Questions**
- (A) Explain the characteristics and elements of database management system      **(8)**
  - (B) Write a brief note on Database View.      **(6)**

