

Enrollment No:- _____

Exam Seat No:- _____

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: **5CS01DMS1**

Subject Name: Database Management System Concept & Tools

Course Name: M.Sc(IT)

Date: 5/5/2015

Semester:1

Marks: 70

Time:10:30To01:30

Instructions:

- 1) Attempt all Questions of both sections in same answer book/Supplementary.
 - 2) Use of Programmable calculator & any other electronic instrument prohibited.
 - 3) Instructions written on main answer book are strictly to be obeyed.
 - 4) Draw neat diagrams & figures (if necessary) at right places.
 - 5) Assume suitable & perfect data if needed.
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SECTION - I

Q. 1 Answer the following questions in short: [07]

1. What do you mean DBMS?
2. Define: Entity and Attribute.
3. What is DDL?
4. What is Weak Entity Set?
5. Give the names of relationships that can exist between two entities.
6. Give the full form of TCL and DCL.
7. What is Entity set ?

Q. 2 Answer the following questions:

1. What is Database object ? Explain any one with suitable example. [05]
2. What is DBA ? Explain in detail [05]
3. Explain DML in detail. [04]

OR

Q. 2 Answer the following questions:

1. Explain Storage Manager and Query Processor components of DBMS in brief. [05]
2. Differentiate between simple-composite, single valued-multi valued attributes with suitable example. [05]
3. write a brief note on user types. [04]

Q. 3 Answer the following questions:

1. What is file processing system ? Explain conventional file processing system in brief. [14]
2. Write a brief note : Entity set

OR

Q. 3 Answer the following questions:

1. Write a short note on mapping cardinality.. [14]
- 2.Explain Specialization and Generalization as extended E-R features using suitable example.



SECTION - II

- Q. 4 Answer the following questions in short:** [07]
1. Define: Primary key
 2. Explain union with example.
 3. Define: Mapping
 4. Define: Decomposition
 5. List out object types.
 6. Write relational algebra symbols (notation) for selection and projection operations.
 7. What is Normalization? =
- Q. 5 Answer the following questions:**
1. Explain good database with example. [05]
 2. What is data type ? Explain datatypes respect to oracle. [05]
 3. What is sequence? How one can create a view based on the existing table? [04]
- OR**
- Q. 5 Answer the following questions:**
1. Explain brief note on : Functional dependency
 2. Explain various SET operators with example. [05]
 3. Explain Selection and Projection as a relational algebraic operation with suitable example. [05]
- Q. 6 Answer the following questions:** [04]
1. Explain DML and DDL commands with syntax and example in oracle.
 2. List out and explain any two inbuilt functions in oracle
- OR**
- Q. 6 Answer the following questions:** [14]
1. What is Normalization? Explain 2 NF with example.
 2. Explain TCL, DCL Commands with Syntax and Example in oracle.,

