



11534(New)

B.Sc V Semester Degree Examination, Oct./Nov. - 2018

COMPUTER SCIENCE

Data Base Management System

Paper - B.Sc 503 CS 5.1

(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

ALL sections are compulsory.

PART - A

Answer any **TEN** of the following.

(10×2=20)

1. What is an entity?
2. What is Data Base?
3. Explain DML and DDL.
4. Define Domain.
5. What is Key?
6. Name any two Data types in SQL.
7. Expand ACID.
8. What is SQL?
9. Define functional dependency.
10. Write the syntax for update command.
11. Write any four advantages of DBMS.
12. Define Tuple.

PART - B

Answer any **SIX** of the following:

(6×5=30)

1. What is normalization? Explain 1 NF.
2. Explain any two actors on the scene.

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(2)

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3. Explain three Schema Architecture of DBMS.
4. What is Attribute and explain its types?
5. Explain ACID properties.
6. Explain create and alter command with syntax.
7. Explain various mapping cardinality ratio for Binary Relationship.
8. What is ER diagram? Explain ER diagram notations.

PART - C

Answer any **THREE** of the following:

(3×10=30)

1. Explain the characteristics of Data Base approach.
 2. Write various DML statements in SQL with examples.
 3. Create a table Employee having attributes Emp-no, Emp-name, Salary, Date of Birth, Designation and use the constraints primary key and Date and varchar 2.
 - a) Insert 5 Records in to a table Employee.
 - b) Delete any one tuple in the table Employee.
 4. What is lock? Describe different types of lock for control of transaction.
 5. Explain following relational algebra operations with example
 - a) Select.
 - b) Projection.
 - c) Cartesian (or) Cross.
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