CLASS   :- III B.Sc B

SUB.CODE   :- CS509

SUBJECT   :- RELATIONAL DATABASE MANAGEMENT

                     SYSTEM

STAFF NAME   :- A. ARUN BENEDICT

SECTION – A

UNIT – I

Write short notes on Database.

What are all the advantages of database?

Discuss the three levels of Data Abstraction.

Write short notes on 1) Instance and schemes 2) Data Independence

Write short notes on 1) Data Definition Language 2) Data Manipulation Language.

Discuss the responsibility of Data base manager.

What are all the functions of Data base Administrator? Explain.

Discuss the types of Data base users.

UNIT – II

Write short notes on Entity Relationship model

Explain the types of Attributes.

Discuss about the various keys used in data base tables.

Write short notes on 1) Generalization   2) Aggregation

UNIT – III

Discuss about relational algebra operations.

UNIT – IV

What are the advantages of Normalization.

UNIT – V

Discuss about DDL, DML,DCL operations.

Discuss about String functions.

Discuss about number functions.

Write short notes on Pseudo Columns.

Write short notes on Sub query?

Write short notes on Set operations

Write short notes on Joins

Write short notes on Sql index

Write short notes on Clusters

Write short notes on Sql views

Write short notes on Sequence

Write short notes on Roles and privileges

Write short notes on Grant and Revoke command

SECTION - B

UNIT - I

Explain the disadvantages of file processing system.

Explain the types of Data models?

Discuss the overall database system structure.

UNIT - II

Explain the mapping constraints with examples.

Explain the symbols used in E-R diagram.

Draw a E-R diagram for banking system.

Draw a E-R diagram for college library system.

UNIT – III

Explain about domain relational calculus

Explain about tuple relational calculus.

Explain about relational operations.

UNIT - IV

Explain about First normal form with examples.

Explain about Second normal form with examples.

Explain about Third normal form with examples.

Explain about Forth normal form with examples.

Explain about Boyce codd normal form with examples.

UNIT – V

Explain integrity constraints with examples.