Class Test Exam: M.M: 15 marks (SET-A)

Course: Database Management Systems

Name:

Roll Number:

Section:

MCQs (2 marks)

Q1. In one-to-many relationship the table on 'many' side is called _____

A.

Parent

B.

Child

C.

Sister

D.

Master

Q2. This key that uniquely identifies each record is called :

A.

Primary Key

B.

Key Record

C.

Unique Key

D.

Field Name

SUBJECTIVE (3 marks)

Q1. Define the 3 types of explicit constraints with examples in detail in DBMS.

Q2. Define the terms: Metadata, Schema, Instance, View

Q3. Give 2 advantages of DBMS over file systems.

ER Diagram. (5 marks)

Draw ER diagram and its extensions-generalization and specialization cases (EER) in the same for HealthCare System. Show disjoint/overlapping cases clearly

Relational Algebra (5 marks)

BOOKS(DocId, Title, Publisher, Year)

STUDENTS(StId, StName, Major, Age)

AUTHORS(AName, Address)

borrows(DocId, StId, Date)

has-written(DocId, AName)

describes(DocId, Keyword)

Q1. List the names of all students who have borrowed a book and who are CS majors.

Q2. List the title of books written by the author 'Silberschatz'.

Q3. Find the name of the youngest student