Visit: www.brpaper.com for B-Tech,Diploma,BCA,BBA,MBA,MCA,Bsc-IT, Msc-IT,M-tech, Distance-Education,B-com.

May 2006 CS - 305

DATA BASE MANAGEMENT SYSTEM

(B.Tech Semester 5th 2056)

Time: 03 Hours Maximum Marks: 60

Note: Section-A is compulsory. Attempt any Four questions from section - B. Attempt any two questions from Section-C.

Section A

- Q1 (a) Define the term dangiling pointer?
 - (b) Define the term generalization?
 - (c) List any two procedural programming language?
 - (d) What are row triggers?
 - (e) What is cascading roll back?
 - (f) Defined the term Dead Lock.
 - (g) Define the term DDL.
 - (h) What is query optimization?
 - (i) What are ACID properties?
 - (j) define the term Relationship.

Section B

- Q2. Every weak Entity Set can be converted to a series of the simply adding appropriate fields, Why then do we have weak entity sets?
- Q3) Describe major advantages of a Database system
- Q4) Consider the following Database.

Employee (person_name, street, city)

Works (person_name, company_name. salary)

Manager(person_name, manager_name)

Company(company_name, city)

- (a) Find the name of employees who work for first backet
- (b) Find the names of all employees who earn more in the
- Q5) Explain why 4 NF is a more desirable normal form the BCS
- Q6) Explain various recovery techniques based on deferred

Section C

- Q7) Discuss relational approach of database management system. The help of suitable relational operation to demonstrate insert, delate and update in the help of suitable and update.
- Q8) Construct an E-R diagram for a university management system the class, include the instructor, the enrollment and time and place of the class meeting. For the class pair a grade is recorded also design a relation database for the said E-R (E-R).
- Q9) Write short note on the following.
 - 1) Seralizability of schedules.
 - Granting and revoking of privileges.
 - 3) Granuality of data items.