[Marks: 80] [Time: 3 Hours] N.B.: (1) Question No 1 is Compulsory. (2) Attempt any three questions out of the remaining five. (3) All questions carry equal marks. (4) Assume suitable data, if required and state it clearly. 1 Attempt any FOUR Compare File Processing System with Database Management system b **T2** read(A) read(A) temp := A * 0.1A := A - tempwrite(A) read(B) write(A) read(B) B := B + 50write(B) commit B := B + tempwrite(B) Draw the precedence graph for above schedule? Define with an example different type of Entities in ER diagram 05 Define Triggers. Write syntax and example of trigger. **05** Explain five aggregate functions of SQL with example? 05 Design an EER diagram for Hospital Management System. And map it into [10] relational model. Assume Suitable data. Brief overall database architecture with suitable diagram. [10] Consider the following employee database. [10] Employee (empname, street, city, date_of_joining) Works (empname, company_name, salary) Company (company_name, city) Manages (empname, manager_name) Write the SQL queries for each of the statements given below