

Department of Computer Science and Engineering
University of Barishal

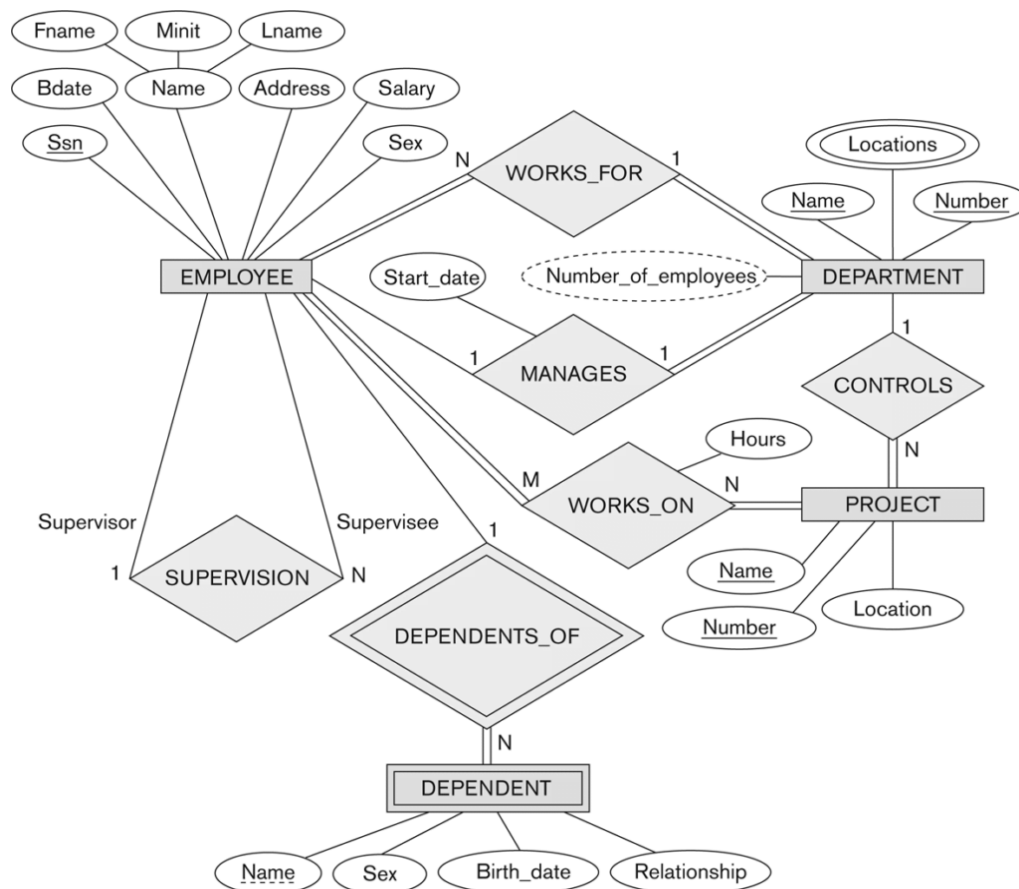
Course Code: CSE-2101, Course Title: Database Management System
Session: 2022-23, Midterm Examination

Time: 40 minutes

Marks: 20

Answer all the questions

1. Describe the role of a database administrator (DBA). What are their key responsibilities? 3
2. Differentiate between database schema and database instance with an example. 3
3. Consider the following ER Diagram for HRM system. Now, convert the ER diagram into relational database schemas. Be certain to indicate primary keys and foreign keys. 4



4. A **Cricket Tournament Management System** is designed to efficiently manage cricket tournaments, including team registrations, match scheduling, player statistics, and results tracking. The system will handle multiple tournaments, teams, and players while ensuring smooth coordination of matches. 10

Develop a complete E-R diagram (including cardinalities and participation). Make reasonable assumptions during your development phases, if needed and state them clearly.

[hints: Show step by step process]

Good Luck!!!