

Student Name: _____

Roll No: _____

Program: BS(CS),BS(SE)

Semester: Spring-2021

Time Allowed: 2 hours & 30 Minutes

Course:CS203 Database Systems

CS219 Database Systems

Examination: Mid Term

Total Marks:50 Weightage: 30

Date:

Instructor Name: Ms. Safia Fatima

NOTE: Attempt all questions.

Question No. 1

Attempt Time: 15 min, **Submission Time:** 5 min

Marks: 5

Read the scenario below.

In a University , there are several departments and each department has a head of department who belongs to Faculty. Department have a name , phone extension , specific mailing address and Students that belong to the department. Students can belong to only one Department at a time and Department can have more than one or no Student

Students and faculty have names and unique identification numbers , with address , age , gender and other information. Student studies different Courses offered by University . Faculty teaches these Courses . In each semester one student can take more than one course and Faculty can teach more than one courses . Faculty members can teach in multiple Departments. Each course can be taught by many faculty members or no one

Entity-Relation Diagram of the above scenario is given below.

Convert the ERD into Normalized Relational ERD



