



University of Engineering and Management

Database Management System Laboratory

MCAC 491

ASSIGNMENT 3

Consider the following relational schema for the Office of the Controller of Examinations Application.

Student (Rollno, Name, Dob, Gender, Doa, Bcode);

Implement a check constraint for

- Gender
- Date of Admission

Branch (Bcode, Bname, Dno);

Department (Dno, Dname);

Course (Ccode, Cname, Credits, Dno);

Branch_Course (Bcode, Ccode, Semester);

Enrolls (Rollno, Ccode, Sess, Grade);

For Example,

SESS can take values 'APRIL 2013', 'NOV 2013'

The grade Value will be ('S', 'A', 'B', 'C', 'D', 'E', 'U');

Students are admitted to Branches and they are offered by Departments. A branch is offered by only one department.

Question (A)

Develop a SQL query to list details of Departments that offer more than 3 branches.

Question (B)

Develop a SQL query to list the details of Departments that offer more than 6 courses.

Question (C)

Develop a SQL query to list the details of courses that are common for more than 3 branches.

Question (D)

Develop a SQL query to list students who got 'S' in more than 2 courses during single enrollment.

Question (E)

Create a view that will keep track of the roll number, name and number of courses, a student has completed successfully.