****

**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.