CS/VSC/P/201 (A): Practical based on CS/VSC/T/ 200(Introduction to MySql)

Total Credits : 01 **Total Contact Hours : 30 Hrs**

Maximum Marks : 50

	List of experiments
1	Install MySQL and create a user. Set up a new database named CollegeDB.
2	Create a table Students with fields: StudentID, Name, Age, Department, Email.
3	Add a PRIMARY KEY to StudentID and a UNIQUE constraint to Email.
4	Insert at least 5 records into the Students table.
5	Create a table Courses with CourseID, CourseName, Credits, and add a PRIMARY KEY to CourseID.
6	Create an Enrollments table with StudentID, CourseID, and Grade, using foreign keys appropriately.
7	Update the Age of a student whose name is "Ravi".
8	Delete the enrollment record of a student from Enrollments table based on StudentID.
9	Use SELECT to retrieve names of all students older than 20 years.
10	Display all students in alphabetical order of their names.
11	Add constraints: NOT NULL on Name, CHECK on Age > 17, and DEFAULT value 'Unknown' for Email.
12	Use aggregate functions to count the number of students in each department.
13	Find the average grade of students enrolled in each course.
14	Use INNER JOIN to display Student Name, Course Name, and Grade from related tables.
15	Write a subquery to find students who scored more than the average grade.