

# Subject: Database Management Systems Lab (CSL5401)

Branch (CSUG 5<sup>th</sup> Sem)  
05.10.2021

Date: -

## Lab Test 1

**Full Marks:10**

Q1) Create a table **stdmain** with following columns, constraints and data:

Marks: 03

Rollno (Number and primary key)	Name	State	DOB (Should be between 01.01.1990 and 01.01.2000)	Branch (Should be CSE, ECE, EEE only)
1701	Arvind	WB	15.01.1999	CSE
1702	John	MH	02.03.1990	EEE
1703	Mohan	UP	15.07-1991	ECE
1704	Ravi	MP	12.05.1994	CSE
1705	Karim	BR	10.03.1991	ECE
1706	Sita	UP	08.12.1990	EEE
1707	Pintu	BR	17.09.1992	CSE

i) Add a column City in stdmain table and input the values Kolkata, Mumbai, Delhi, Bhopal, Patna, Kanpur, Chennai in this column in respective records. Marks: 01

ii) Write a query to view the constraint name, constraint conditions on stdmain table. Marks:01

Q2) Create a table **smarks** with following columns, constraints and data:

Marks: 02

Rollno (number and foreign key)	Subjectname (should be only C++, Oracle, Java, OS)	Marks (Should be 0 to 100)
1701	C++	75
1701	Oracle	84
1701	Java	95
1701	OS	62
1702	C++	46
1702	Oracle	70
1702	Java	55
1702	OS	56
1703	C++	82
1703	Oracle	84
1703	Java	74
1703	OS	92
1704	C++	43
1704	Oracle	49
1704	Java	68
1704	OS	35

- a) Write a query using above tables to display the Rollno, Name, Subjectname and Marks of each student in sorted manner. Marks: 01
- b) Write a query using above tables to display the Rollno, Name and aggregate marks obtained by students. Marks: 01
- c) Write a query using the above table to display the Rollno, DOB, and Age (in year and month). Marks:01