Poornima University

School of Computer Science and Engineering

Database Management System

**Lab 5**

Max Marks 5Date of Submission: Tuesday, 31st Aug, 2021

**Notes:**

1. Those who copy other’s answers AND those who allow others to copy their answers - will get ZERO marks in this Lab.
2. This Lab will require use of Oracle software. Those who have not installed Oracle till now, should do the same on priority. They can contact me or any friend for help.
3. Use the new SQL FILES create\_tables and insert\_tables for creation of tables and insertion of data. Do NOT use the old files DDL\_Drop and DML\_Insert.
4. This Lab should be done with a partner. Those who have not decided their partners till now should contact me. You can discuss the problem and solution with your partner but DO NOT copy the answer. Write the answer in your OWN WORDS.
5. You can also DISCUSS with any OTHER friend apart from your partner but write the answer in your OWN WORDS.

Q1: (Purpose: Deletion of ALL old tables of the university database). See the definition of all the existing tables in create\_tables, observe the foreign key relationships and write the sequence of dropping the tables.

Q2: AFTER deletion of all existing tables in the proper sequence, create the new tables using the files create\_tables and insert\_tables. Observe the records of classroom table and write the names of the buildings which have room number 100.

Q3: From the prereq table, what is the prerequisite for course EE-181 ?

Q4: From the definition of table CLASSROOM, write the attributes in primary key. Can I remove “building” from the primary key? Write the justification for your answer.

Q5: In table instructor, try to insert a record

ID 90010

Name Ganesh

Department History

Salary 28000

Were you able to insert the record? If there was any error, give the reason for the same.

Q6: See the definition of table instructor. Is there any foreign key relationship defined? Write the justification for your answer.

Q7: Explain the purpose of “ON delete set null” clause in table instructor. If I delete Music department from department table, will there be any effect on the instructor table? If yes, what? Give the reason for your answer.

Q8: Sort the table “section” using the following syntax.

select room\_number, building, time\_slot\_id, course\_id, sec\_id, semester, year from section;

Which courses have been assigned to room 3128, building taylor, time\_slot\_id “C”? Do you think these courses will clash? Write the justification for your answer.

Q9: From table “teaches”, which are the courses taught by instructor ID 10101 ?

Q10: From table “takes”, which are the courses taken by student ID 98765 and what are the grades received in those courses?