Poornima University

School of Computer Science and Engineering

Database Management System

**Lab 8**

Max Marks 2Date of Submission: 23rd Sep, 2021

Notes:

1. This is a practice lab for MSE.
2. Please write your own answers. Do not copy from others. You will get partial credit for your effort even if your answer is wrong.

Exercise 1:

For the relation R(A, B, C, D, E) the functional dependencies are as follows:

A -> BC

CD -> E

B -> D

E -> A

Find the closure of individual attributes A, B, C,D, E .

Find all Super Keys and Candidate Keys.

Write all the Prime Attributes

Write all the non prime attributes.

Find the highest normal form (starting from BCNF).