AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course No: CSE4126 Course Title: Distributed Database Systems Lab

Spring 2019 | Mid Term Quiz | Marks 20 | Time: 40 Minutes | Set – A

ID = SECTION =

Consider the following three relations:

sid	sname	address
1	Sham	Devils Canyon
2	Coyote	RR Asylum
3	Cage	Carrot Patch

supplier

pid	pname	color
1	red1	red
2	red1	red
3	green1	green
4	blue1	blue
5	red3	red
6	green2	green
7	blue2	blue

parts

sid	pid	cost
1	1	10
1	2	20
1	3	30
1	4	40
1	5	50
2	1	9
2	3	34
2	4	48

records

1. Create a **view** that displays the pid, pname, color as view_pid, view_pname, view_color of **parts** relation for which there is some supplier. 5
   The output will look like as follows:

view_pid	view_pname	view_color
1	red1	red
2	red1	red
3	green1	green
4	blue1	blue
5	red3	red

2. Create a **function** that will calculate the total cost for a supplier **sid**. User will give input the **sid**. If user gives input – 5

   sid = 1 then output will be **150**
   sid = 2 then output will be **91**
   sid = 3 then output will be **0**

3. User will give input a parts **pid**. Use **Cursor** to find the sid, sname, address of the supplier who charges the most for that part. See the table below for clarification – 10

User Input	sid	sname	address
1	1	Sham	Devils Canyon
2	1	Sham	Devils Canyon
3	2	Coyote	RR Asylum
4	2	Coyote	RR Asylum
5	1	Sham	Devils Canyon

Instructions – Please run the* MID.sql *file to create and insert the data at first.