**CSE216, July 2022, PL-SQL Online (SEC A1 and A2)**

**Duration: 40 minutes**

Q1. Write a PL/SQL block as follows:

1. Find the total salary of all employees.
2. Display the message “The total salary of all employees is --------”
3. Update the salaries of the employees by adding 20% more and display the message “The total updated salary of employees is --------”

\*\*\* Save the PL/SQL block and the screenshot of the output in a MS-Word file named: Your Id\_SEC\_A1 or Your Id\_SEC\_A2 as appropriate for you.

Q2. Write a procedure named DEPT\_COMPARISON as follows:

1. It will input two department ids: DEPT1 and DEPT2 of two departments and compare the number of employees.
2. If the number of employees of DEPT1 is higher than DEPT2, then the message will be "DEPT 1 has higher number of employees than DEPT 2".
3. If the number of employees of DEPT1 is lower than DEPT2, then the message will be "DEPT 1 has lower number of employees than DEPT 2".
4. Otherwise " DEPT 2 has equal number of employees of DEPT 1"
5. The message will be displayed and also **can be taken to a variable for future usage**.
6. Execute the procedure and produce the output and save as follows.

\*\*\* Save the procedure and the screenshot of the output in the file of Q1.

Q3. Write a function named dept\_placement as follows:

1. The input will be department id and a value of the same type as department id.
2. The function will place the employees to different building as per department id and the input value
3. If the department id is higher than the value, it will return the string “ECE Bhaban” means that the employee will be placed to ECE Bhaban
4. If the department id is lower or equal to the value, it will return the string “Old Campus” means that the employee will be placed to Old campus.
5. If the department id is null, it will return the string “Registrar Building”

Using the function,

1. Find the first name, last name, dept\_placement for employees ids 178, 200, 201 with value =15 using your defined function.

\*\*\* Save the function and the screenshot of the output in the file of Q1.