

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

**Duration: 40 minutes**

Q1. Write a PL/SQL block as follows:

- Find the total salary of all employees.
- Display the message "The total salary of all employees is -----"
- 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:

- It will input two department ids: DEPT1 and DEPT2 of two departments and compare the number of employees.
- 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".
- 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".
- Otherwise " DEPT 2 has equal number of employees of DEPT 1"
- The message will be displayed and also **can be taken to a variable for future usage.**
- 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:

- The input will be department id and a value of the same type as department id.
- The function will place the employees to different building as per department id and the input value
- 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
- 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.
- If the department id is null, it will return the string "Registrar Building"

Using the function,

- 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.