ACTIVITY CODE 1903046031

BSc 6th Semester Program Examination October 2020

Subject: Computer Science

Course ID: 61528   Course Code: SP/CSC/601/DSE-

1B

Course Title: Project Work (PR)

Full Marks: 10   Time: 1 Hr

Perform <u>only one</u> experiment out of the eight:

1. Write a PYTHON program to calculate the factorial of a given number
2. Write a PYTHON program to compute the nth term of the Fibonacci Series
3. Create a table in SQL to represent EMPLOYEE (<u>Employee_No</u>, Name, Department_No, Designation, Salary). Populate the table with at least five records and compute the average salary
4. Create two tables in SQL, one representing STUDENT (<u>Roll_No</u>, Name) and another representing (<u>Roll_No</u>, Scholarship_Amount). Populate the two tables with least three records. Then express (Roll_No, Name, Scholarship_Amount) as a whole.
5. Write a SHELL SCRIPT to calculate the factorial of a given number
6. Write a SHELL SCRIPT the sum of digits of a given number
7. Write a JAVA program to calculate the factorial of a given number
8. Write a JAVA program to compute the Fibonacci Series up to the first n terms