

ACTIVITY CODE 1903044031

BSc 6<sup>th</sup> Semester Hons Examination October 2020

Subject: Computer Science

Course ID: 61527

Course Code: SH/CSC/604/DSE-

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Course Title: Project Work (PR)

Full Marks: 10

Time: 1 Hr

Perform only one experiment out of the eight:

1. Write a PROLOG program to calculate the factorial of a given number
2. Write a PROLOG program to compute the n<sup>th</sup> term of the Fibonacci Series
3. Write a C-program to implement the Cohen-Sutherland line clipping algorithm
4. Write a C-program to implement the Mid-Point circle drawing algorithm
5. Write a C-program to implement the Bresenham's drawing algorithm
6. Write a C-program to implement the Sutherland-Hodgeman polygon clipping algorithm
7. Write a script for performing encryption and decryption of Caesar cipher
8. Write a script for performing encryption and decryption of Rail Fence cipher

