# MCSL-205 (Set-2)

## POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA-New)

### C and PYTHON Lab

Duration: 2 hours                                     Maximum Marks: 50

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Note: 1. This question paper comprises of two compulsory questions, each of 20 marks.

2. Rest 10 marks are for viva-voce.

1. a) Write a program in C to find the difference of two matrices of order 3×3, entered by the user.                                     10

   b) Write a program in C to reverse a string entered by the user, without using inbuilt string functions.                                     10

2. Develop a module named calculator.py in Python, which contains two function i) factorial (n) and ii) Fibonacci (n), factorial (n) is to find factorial of a number entered by the user and Fibonacci (n) is to find Fibonacci series up to a given number n, entered by the user

   Perform the following tasks:

   i)   import the developed module "Calculator.py"

   ii)  Call the functions available in Calculator.py

      a) To generate Fibonacci series up to number n, entered by user.

      b) To determine factorial of the number n, entered by user.

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