

No. of Printed Pages : 2 **MCSL-205(Set-IV)**

**POST GRADUATE DIPLOMA IN
COMPUTER APPLICATIONS
(PGDCA-NEW)**

**Term-End Practical Examination
June, 2025**

MCSL-205(Set-IV) : C AND PYTHON LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) *This question paper is comprised of **two** compulsory questions, each of 20 marks.*

(ii) *Rest 10 marks are for viva-voce.*

1. (a) Write a recursive program in C to find the Greatest Common Divisor (GCD) of the two numbers entered by the user. 10
- (b) Write a program in C to create file, open it, type-in some sentences and count the number of vowels, consonants and spaces in the entered sentences. 10

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2. Write a program in Python to : $5 \times 4 = 20$

- (i) check if a given year is leap or not.
- (ii) check if a given number is prime or not.
- (iii) display a Fibonacci series upto n th term, given by user.
- (iv) sum of *two* matrices of order 3×3 , entered by user.

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