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

2. Write a program in Python to : 5×4=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 nth term, given by user.

    (iv) sum of *two* matrices of order 3 × 3, entered by user.

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