POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA-NEW)

Term-End Practical Examination

June, 2025

MCSL-209(Set-II) : DATA STRUCTURES AND ALGORITHM LAB

Time : 2 Hours   *Maximum Marks : 50*

__Note :__ There are two questions in this paper. Answer both the questions. Each question carries 20 marks. 10 marks are for viva-voce.

1. Write a program in 'C' language to create a singly linked list of integers as input. Sort the elements of the list in descending order. Now, input a new integer as input and

insert it into the sorted linked list at the appropriate position. 20

2. Write a program in 'C' language that read a string as input. Now reverse and print the string. Do not use any string input functions. 20

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