



# DELHI TECHNICAL CAMPUS

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Assignment 4

#### Instructions:

- All questions are compulsory to attempt.
- Assignment must be submitted in handwritten manner in separate notebook/A4 size sheets with cover page.
- Submit the assignment on or before (Mentioned date).

Subject: COMPILER DESIGN	Subject Code: CIC-303
Class: B.Tech CSE 5 <sup>th</sup>	Faculty Name: Dr. Seema Verma/Ms Sweta
Date of Issue:	Date of Submission: 8 Dec 2023

Sr No	Question	CO	Level
1.	What is the optimization? What are the various ways to optimize a computer problem?	CO4	L2
2.	Analyze various loop optimization constructs.	CO4	L4
3.	What is peephole optimization? How is it performed? Give example of peephole optimization.	CO4	L2
4	How DAG is important in Code generation?	CO4	L2
5	How register allocation and assignment is handled? Illustrate with the help of example	CO4	L3