

[Total No. of Questions: 4]

[Total No. of Printed pages: 1]

Enroll No.....

Class Roll No.....

II-Mid Semester Exam May 2025

Branch: CSE-: IV

LNCTU/CS-404 Compiler Design

Time 1:30 Hrs

Max. Marks 20

Note: All questions are compulsory and have internal choice.

Ques.1: What do you mean by Type Checking ,Give Specification of simple Type Checker ?
(CO3 7 Marks)

OR

Explain Polymorphic Function with Example?

Ques.2: Explain static checking and dynamic checking with Example?
(CO4 7 Marks)

OR

This Expression is expressed as follows : in Three Address code & DAG $a = b * - (c-d) + b * - (c-d) .?$

Ques 3: Explain Code-Optimization and define their all types of Transformation?

(CO5 6Marks)

OR

Explain Sources of Optimization in Basic Blocks and Loop Optimization ?