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Enroll No.....

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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 Cheker ? **(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 ?